CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Apr. 9	Buffalo, N. Y.	Mar. 29
Apr. 10	Toronto, O.	Mar. 15
Apr. 10	Franklin, Tenn.	Mar. 29
Apr. 10	New York, N. Y.	Apr. 5
Apr. 10	Brooklyn, N. Y.	Apr. 5
Apr. 11	Franklin, Tenn.	Mar. 29
Apr. 12	Astoria, Ill.	Mar. 15
Apr. 12	Poughkeepsie, N. Y. Adv. Mar. 29 and Apr. 5.	Mar. 29
Apr. 13	Staples, Minn.	Apr. 5
Apr. 14	Akron, O.	Apr. 5
Apr. 14	Lansing, Ont.	Apr. 5
Apr. 16	Totowa (Paterson P. O.), N. J. Adv. Mar. 29 and Apr. 5.	Mar. 29
Apr. 16	Pennington, N. J.	Apr. 5
Apr. 18	Richmond, Va. Adv. Mar. 22 to Apr. 5.	Mar. 22
Apr. 23	Springfield, Ill. Adv. Apr. 5.	Apr. 5
Apr. 26	New Orleans, La. Adv. Mar. 8 to Apr. 5.	Mar. 8

SEWERS

Apr. 6	Lyndonville, N. Y. Adv. Mar. 15 to Apr. 5.	Mar. 15
Apr. 9	Merced, Calif.	Mar. 29
Apr. 9	Nelson, B. C.	Mar. 29
Apr. 9	Camden, N. Y.	Apr. 5
Apr. 9	Rochester, Mich.	Apr. 5
Apr. 9	Long Island City, N. Y.	Apr. 5
Apr. 10	Toronto, Ont.	Mar. 8
Apr. 10	Toledo, O.	Mar. 15
Apr. 10	Hazard, Ky.	Mar. 22
Apr. 10	Ogden, Utah	Apr. 5
Apr. 10	Ossian, Ia.	Apr. 5
Apr. 11	Dunlap, Ia.	Mar. 29
Apr. 13	Milwaukee, Wis.	Apr. 5
Apr. 14	Milwaukee, Wis.	Apr. 5
Apr. 16	Urbana, Ill.	Mar. 15
Apr. 16	Johnstown, Pa.	Mar. 29
Apr. 16	Akron, O.	Apr. 5
Apr. 16	Lebanon, Pa. Adv. Apr. 5.	Apr. 5
Apr. 16	Waterloo, Ia.	Apr. 5
Apr. 16	Vermilion, S. D.	Apr. 5
Apr. 17	Paterson, N. J.	Mar. 29
Apr. 18	Hamilton, Ont.	Apr. 5
Apr. 19	Laramie, Wyo.	Apr. 5
Apr. 23	Marysville, Kan. Adv. Apr. 5.	Apr. 5
Apr. 24	Buffalo, N. Y. Adv. Mar. 29 and Apr. 5.	Mar. 29
Apr. 24	Indianapolis, Ind.	Apr. 5
Apr. 24	Louisville, Ky. Adv. Apr. 5.	Apr. 5

WASTE DISPOSAL

Apr. 26	Cleveland, O.	Apr. 5

BRIDGES

Apr. 9	Pauls Valley, Okla.	Apr. 5
Apr. 10	Fonda, N. Y.	Mar. 15
Apr. 10	Quay, Fla.	Mar. 29
Apr. 10	Boston, Mass.	Apr. 5
Apr. 12	Mermentau, La.	Mar. 29
Apr. 12	Louisiana	Mar. 22
Apr. 13	Illinois	Mar. 29
Apr. 14	Eden, N. Y.	Mar. 29
Apr. 16	Johnstown, Pa.	Mar. 29
Apr. 16	Chicago, Ill. Adv. Apr. 5.	Apr. 5
Apr. 17	Chehalis, Wash.	Apr. 5
Apr. 18	Appleton, Wis.	Apr. 5
Apr. 20	Sacramento, Calif.	Apr. 5
Sept. 1	Sydney, New South Wales, Australia	Aug. 3

DAMS

Apr. 9	Ft. Wayne, Ind. Adv. Apr. 5.	Apr. 5
Apr. 12	Oroville, Calif.	Mar. 22

EXCAVATION, DRAINAGE, IRRIGATION

Apr. 9	Lamar, Colo.	Mar. 22
Apr. 9	Vancouver, B. C.	Mar. 29
Apr. 9	Pauls Valley, Okla.	Apr. 5
Apr. 12	Algona, Ia.	Apr. 5
Apr. 14	Savannah, Tenn.	Mar. 22
Apr. 16	Oroville, Calif.	Apr. 5
Apr. 17	New York, N. Y.	Apr. 5
Apr. 23	Audubon, Ia.	Apr. 5

STREETS AND ROADS

Apr. 9	Cleveland, O.	Mar. 29
Apr. 9	Mineola, N. Y. Adv. Mar. 29 and Apr. 5.	Mar. 29
Apr. 9	Michigan	Mar. 29
Apr. 9	San Diego, Calif.	Mar. 29
Apr. 9	Council Bluffs, Ia.	Mar. 29
Apr. 9	Reno, Nev.	Mar. 29
Apr. 9	Jesup, Ia.	Apr. 5
Apr. 9	Cherryvale, Kan.	Apr. 5
Apr. 9	Chesterford, Va.	Apr. 5
Apr. 9	Elmhurst, Ill.	Apr. 5
Apr. 9	Villa Park, Ill.	Apr. 5
Apr. 10	Brooklyn, N. Y.	Apr. 5
Apr. 10	New Castle, Pa.	Mar. 22
Apr. 10	Washington	Mar. 15
Apr. 10	Louisiana	Mar. 22
Apr. 10	Maryland Adv. Mar. 29 and Apr. 5.	Mar. 29
Apr. 10	Buffalo, Minn.	Mar. 29
Apr. 10	Moorhead, Minn.	Mar. 29
Apr. 10	Easley, S. C. Adv. Mar. 29 and Apr. 5.	Mar. 29
Apr. 10	Michigan	Mar. 29
Apr. 10	Pierre, S. D.	Mar. 29
Apr. 10	Ripon, Wis.	Mar. 29
Apr. 10	Fond du Lac, Wis.	Mar. 29
Apr. 10	Indiana	Mar. 29
Apr. 10	Louisiana	Apr. 5
Apr. 10	Cherokee, Ia.	Apr. 5
Apr. 10	Newton, N. C.	Apr. 5
Apr. 10	Eau Claire, Wis.	Apr. 5
Apr. 10	Erie, Pa.	Apr. 5
Apr. 11	Waukegan, Ill.	Apr. 5
Apr. 11	Gaffney, S. C.	Apr. 5
Apr. 11	Freehold, N. J. Adv. Mar. 29 and Apr. 5.	Mar. 29
Apr. 11	Delaware	Mar. 29
Apr. 11	Dunlap, Ia.	Mar. 29
Apr. 11	Cleveland, O.	Apr. 5
Apr. 11	Litchfield, Minn.	Apr. 5
Apr. 11	Shawano, Wis.	Apr. 5
Apr. 11	Charlottesville, Va.	Apr. 5
Apr. 11	Brooklyn, N. Y.	Apr. 5
Apr. 12	Jacksonville, Fla.	Mar. 29
Apr. 12	Monroe, Wis.	Apr. 5
Apr. 12	Denver, Colo.	Apr. 5
Apr. 13	Illinois	Mar. 29
Apr. 13	Two Rivers, Wis.	Apr. 5
Apr. 13	Indianapolis, Ind.	Apr. 5
Apr. 13	Green Bay, Wis.	Apr. 5
Apr. 13	Michigan	Apr. 5
Apr. 14	Bessemer, Mich.	Mar. 22
Apr. 14	St. Johns, Mich.	Mar. 29
Apr. 14	Watertown, Wis.	Apr. 5
Apr. 14	Idaho	Apr. 5
Apr. 16	Canonsburg, Pa. Adv. Mar. 22 to Apr. 5.	Mar. 22
Apr. 16	Kingston (Wilkes-Barre P. O.), Pa.	Mar. 29
Apr. 16	Shenandoah, Pa. Adv. Mar. 29 and Apr. 5.	Mar. 29
Apr. 16	Mitchell, S. D.	Mar. 29
Apr. 16	Glendive, Mont.	Mar. 29
Apr. 16	Olympia, Wash.	Apr. 5
Apr. 16	San Diego, Calif.	Apr. 5
Apr. 16	Akron, O.	Apr. 5
Apr. 16	Redwood City, Calif.	Apr. 5
Apr. 17	Alabama	Mar. 22
Apr. 17	St. Louis, Mo.	Mar. 29
Apr. 17	Washington	Apr. 5
Apr. 17	Florida	Apr. 5
Apr. 17	Louisiana	Apr. 5
Apr. 17	West Bend, Wis.	Apr. 5
Apr. 17	Maryland Adv. Apr. 5.	Apr. 5
Apr. 18	Delaware Adv. Apr. 5.	Apr. 5
Apr. 18	Freehold, N. J. Adv. Apr. 5.	Apr. 5
Apr. 18	Bennington, Vt. Adv. Apr. 5.	Apr. 5
Apr. 18	Florida	Apr. 5
Apr. 18	Ebensburg, Pa.	Apr. 5
Apr. 18	Nevada	Apr. 5
Apr. 19	Petersburg, Ind.	Apr. 5
Apr. 19	Newton, N. J. Adv. Apr. 5.	Apr. 5
Apr. 20	Sioux Falls, S. D.	Mar. 29
Apr. 20	Kentucky	Apr. 5
Apr. 20	Illinois	Apr. 5
Apr. 20	Harvey, Ill.	Apr. 5
Apr. 23	Sanford, Fla.	Apr. 5
Apr. 25	Seneca, Kan.	Apr. 5
Apr. 25	Crookston, Minn.	Apr. 5
Apr. 26	St. Francis, Kan.	Apr. 5
Apr. 27	Wellington, Kan.	Apr. 5
May 1	Atchison, Kan.	Apr. 5
May 1	Washington	Apr. 5

INDUSTRIAL WORK

Apr. 9	St. Paul, Minn.	Apr. 5
Apr. 10	Crugar, Miss.	Mar. 29
Apr. 10	Rapid City, S. D.	Apr. 5
Apr. 11	Central City, Ky.	Apr. 5
Apr. 13	New York, N. Y.	Apr. 5
Apr. 16	Altoona, Pa.	Apr. 5
Apr. 18	Muscatine, Ia.	Mar. 29
Apr. 20	Green Bay, Wis.	Apr. 5
Apr. 23	Rapid City, S. D.	Apr. 5
Apr. 24	Huron, S. D.	Apr. 5

BUILDINGS

Apr. 9	St. Louis, Mo.	Apr. 5
Apr. 9	Millbank, S. D.	Apr. 5
Apr. 9	Southmont, Pa.	Apr. 5
Apr. 9	Manitowoc, Wis.	Apr. 5
Apr. 10	Springfield, Mass.	Mar. 22
Apr. 10	Cedar Falls, Ia.	Mar. 22
Apr. 10	Columbus, O.	Mar. 15
Apr. 10	St. Louis, Mo.	Mar. 29
Apr. 10	Tucson, Ariz.	Mar. 29
Apr. 10	Hartford, Conn.	Mar. 29
Apr. 10	Wichita, Kan.	Apr. 5
Apr. 10	West Springfield (Springfield P. O.), Mass.	Apr. 5
Apr. 10	McKenzie, Tenn.	Apr. 5
Apr. 10	Shamokin, Pa.	Apr. 5
Apr. 10	Spring Valley, N. Y.	Apr. 5
Apr. 11	Los Angeles, Calif.	Apr. 5
Apr. 11	Chester, S. C.	Apr. 5
Apr. 12	Savannah, Ill.	Mar. 22
Apr. 12	Hartford, Conn.	Mar. 29
Apr. 12	St. Louis, Mo.	Apr. 5
Apr. 12	Milwaukee, Wis.	Apr. 5
Apr. 14	Austin, Tex.	Apr. 5
Apr. 14	Kenosha, Wis.	Apr. 5
Apr. 16	Marquette, Mich.	Apr. 5
Apr. 16	Ann Arbor, Mich.	Apr. 5
Apr. 17	Williamson, W. Va.	Apr. 5
Apr. 17	Akron, O.	Apr. 5
Apr. 18	Mayville, Wis.	Apr. 5
Apr. 18	Marion, N. Y.	Mar. 29
Apr. 18	Sioux City, Ia.	Apr. 5
Apr. 19	Seward, Neb.	Mar. 29
Apr. 19	New York, N. Y.	Apr. 5
Apr. 19	Brooklyn, N. Y.	Apr. 5
Apr. 20	New Haven, Conn.	Mar. 29
Apr. 21	Mayville, N. Y.	Apr. 5
Apr. 21	Racine, Wis.	Apr. 5
Apr. 24	Green Bay, Wis.	Apr. 5
Apr. 31	Capa, S. D.	Mar. 8
May 1	Mason City, Ia.	Mar. 22

FEDERAL GOVERNMENT WORK

Apr. 9	Dredging — New Orleans, La.	Mar. 15
Apr. 9	Cement—Louisville, Ky. Adv. Mar. 15, 29 and Apr. 5.	Mar. 15
Apr. 10	Lock—Newburg, Ind. Adv. Mar. 1, 8, 29 and Apr. 5.	Mar. 1
Apr. 10	Cement—Nashville, Tenn.	Apr. 5
Apr. 11	Removing Fenders — Norfolk, Va.	Mar. 15
Apr. 12	Machinery, etc. — Honolulu, H. I.	Mar. 1
Apr. 12	Steel Hull—Rock Island, Ill. Adv. Mar. 22 to Apr. 5.	Mar. 22
Apr. 12	Wire—Fremont, Calif.	Mar. 23
Apr. 13	Lock Gates—Chattanooga, Tenn.	Mar. 29
Apr. 16	Tunnel, etc. — Mitchell, Neb.	Mar. 1
Apr. 16	Barges—Galveston, Tex. Adv. Mar. 22 and Apr. 5.	Mar. 15
Apr. 16	Ice-Making and Refrigerating Plant—Chelsea, N. Y.	Mar. 22
Apr. 17	Disposal Plant, etc.—Tobyhanna, Pa.	Mar. 29
Apr. 18	Monument — Plattsburg, N. Y. Adv. Mar. 22 to Apr. 5.	Mar. 22
Apr. 20	Dredging Pump—Jacksonville, Fla. Adv. Mar. 22 to Apr. 5.	Mar. 22
Apr. 20	Valves, etc.—Florence, Ala. Adv. Mar. 29 and Apr. 5.	Mar. 29
Apr. 20	Road—New Mexico	Apr. 5
Apr. 20	Cement—Nashville, Tenn.	Apr. 5
Apr. 23	Earthwork — Memphis, Tenn. Adv. Apr. 5.	Apr. 5
Apr. 23	Steel Bars, etc. — Memphis, Tenn. Adv. Apr. 5.	Apr. 5
Apr. 25	Hospital Buildings — Chelsea, N. Y. Adv. Apr. 5.	Apr. 5
Apr. 25	Mechanical Equipment—Chelsea, N. Y.	Apr. 5
Apr. 25	Reconstructing Dike — Mare Island, Calif.	Mar. 22
Apr. 25	Steel Gates — Nashville, Tenn. Adv. Apr. 5.	Apr. 5
Apr. 27	Barges—Portland, Ore.	Apr. 5
Apr. 27	Boilers—Florence, Ala.	Apr. 5
Apr. 30	Barges—Jacksonville, Fla. Adv. Apr. 5.	Apr. 5
Apr. 30	Dredging—Baltimore, Md. Adv. Apr. 5.	Apr. 5
Apr. 30	Post Office—Vernal, Utah.	Apr. 5

Bids Close		See Eng. News-Record
May 3	Superstructure — Detroit, Mich. ..... Apr. 5 Adv. Apr. 5.	
May 10	Post Office — Cordova, Alaska ..... Jan. 25	

MISCELLANEOUS

Apr. 9	Stadium—East Cleveland (Cleveland P. O.), O.....	Mar. 15
Apr. 9	Fire Alarm System—Wichita, Kan.	Mar. 22
Apr. 9	Steel, etc.—St. Paul, Minn.	Apr. 5
Apr. 9	Power Development — New York	Apr. 5
Apr. 10	Electric Standards—St. Louis, Mo.	Mar. 22
Apr. 10	Culverts—Buffalo, Minn...	Mar. 29
Apr. 10	Heating and Ventilating System—Allentown, Pa.	Mar. 29
Apr. 10	Pier—Buffalo, N. Y.....	Mar. 29
Apr. 10	Broken Stone — Trenton, N. J.	Apr. 5
Apr. 10	Grand Stand — Topeka, Kan.	Apr. 5
Apr. 10	Dock—Milwaukee, Wis....	Apr. 5
Apr. 10	Heating and Ventilating Apparatus, etc. — Brooklyn, N. Y.	Apr. 5
Apr. 11	Culverts—St. Cloud, Minn.	Mar. 29
Apr. 11	Tar—Maine	Apr. 5
Apr. 13	Transmission and Telephone Lines—Seattle, Wash.	Mar. 22
Apr. 13	Bituminous Material — Albany, N. Y. ..... Adv. Apr. 5.	Apr. 5
Apr. 13	Steam Main—Cleveland, O.	Apr. 5
Apr. 13	Road Oil—Green Bay, Wis.	Apr. 5
Apr. 18	Road Oil—Clayton, Mo....	Apr. 5

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Fla., Gainesville—Apr. 10, to vote on $38,633 bonds extending water system. G. H. Caimes, Gainesville, engr.

La., Port Allen—Plans waterworks system. $35,000. Swanson-McGraw Inc., United Fruit Bldg., New Orleans, consult. engrs.

La., Welch—Town plans to complete waterworks system and remodel electric light plant. $115,000. Swanson-McGraw, United Fruit Bldg., New Orleans, consult. engrs.

O., Columbus—See "Streets and Roads."

Mich., Trenton — Having preliminary plans prepared filtration plant, extensions, etc. $70,000. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Wis., Stoughton—Bd. Water Comrs. making plans deep well pumping unit, 1,000 g.p.m. S. B. Snyder, supt. Private plans.

Ia., Garrison—Making plans waterworks system. $20,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Kan., Gaylord—Apr. 8, to vote on $32,000 bond issue for complete waterworks. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs.

Minn., Owatonna—Plans waterworks improvements, incl. mains, 500,000 gal. tank on 100 ft. tower, etc. $100,000. J. H. A. Brahtz, 409 Metropolitan Opera House Bldg., St. Paul, engr.

Mo., Oran — Had preliminary surveys made distribution system, 2½ mi. 4-8 in. vitr. pipe, also 1 story, brick and concrete building to house combined water and electric light plant. $40,000. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, engr.

Tex., Elgin—Apr. 10, to vote on $40,000 bond issue for waterworks improvements. Former election declared illegal. Address J. Keeble, mayor. Noted Mar. 22.

Tex., Hamilton—Attorney Generals Dept., Austin, approved $90,000 bond issue for waterworks improvements. Address Mayor.

Tex., Roby—Apr. 14, to vote on $40,000 bond issue for waterworks improvements. M. A. Hopson, mayor.

Tex., San Saba—See "Excavation, Drainage, Irrigation."

Okla., Sayre—Voted $35,000 bonds extensions to waterworks system. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Mar. 8.

Wash., Seattle — Rejected bids opened Mar. 13, c.i. mains in Leo St. et al. $131,365. Will readvertise. J. D. Blackwell, city engr.

Calif., Compton—Plans election to vote on $60,000 bonds improving and extending waterworks system.

Calif., San Diego—Voted $325,000 bonds for c.i. mains and 1,200,000 gal. standpipe. F. A. Rhodes, city engr. Noted Feb. 15.

Calif., San Francisco — City and San Francisco Co., high pressure fire mains in portions Jefferson Beach, Leavenworth and Jones Sts., to H. McGill, 763 San Bruno Ave., $15,771. City to furnish materials. Noted Mar. 15.

Ont., Hamilton—Making plans filtering basin chlorination plant. $100,000. Prices wanted on materials. E. R. Gray, city engr. Noted Mar. 8.

Ont., Fonthill—Plans waterworks system, incl. c.i. pipe, mostly 6 in., hydrants, centrifugal pumps, and pumphouse. $40,000,-$50,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

N. Y., Brooklyn — Apr. 10, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Glenwood Rd., Delamere Pl., Blake, Williams and Gilmore Courts, Empire and Shore Blvds., Aves., T, Y and Z, Atkins, Banner, Christopher, Denton, Kingston, Stone, Voorhies and 16th Aves., Beadel, Hendrickson, Jaffray, 53rd, 56th, 63rd, 65th, 70th, 73rd, 77th, 80th, 81st, 82nd, Beach 45th, Beach 46th, Beach 47th, East 11th, East 12th, East 34th, East 35th, East 52nd, West 3rd, West 4th, West 5th, West 6th and West 9th Sts., here.

N. Y., New York—Apr. 10, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bway., Marginal, East 26th, East 57th, West 57th, West 96th, West 141st and West 176th Sts.

N. J., Pennington — Apr. 16, by Boro Council, 100 ft. steel standpipe, 18 ft. diameter. Remington & Vosbury, 601 Market St., Camden, engrs.

O., Akron—Apr. 14, by B. J. Hill, city purch. agt., 51,900 lin.ft. 4-20 in. Class B and 14,020 lin.ft. 4-20 in. Class C c.i. pipe, 1 ton 4 in. and smaller and 65 tons 6 in. and larger standard special castings.

Ill., Springfield — Apr. 23, at office of Mayor, centrifugal pumps and settling basins for pumping station. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.; adv. this issue. Noted Mar. 22.

Minn., Staples—Apr. 13, water extensions, about 15,000 lin.ft. mains, hydrants, valves, specials, etc. $20,000. F. W. Findsen, city clk.

Ont., Lansing—Apr. 14, by H. D. Goode, Lansing, waterworks system incl. furnishing c.i. pipe, pumping machinery, c.i. specials, furnishing and erecting elevated steel tank, filter equipment, laying c.i. mains, constructing pumphouse, filter house, plant and concrete dam, for North York Twp., $125,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted Dec. 28.

BIDS RECEIVED

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Mar. 27, mains in Webster Ave., Bronx Boro, from Norton Eng. Co., 510 West 149th St., $42,000; Paladino Contg. Co., 437 East 120th St., $44,768; Melrose Constr. Co., 230 East 172nd St., $45,100. Noted Mar. 22.

N. J., Trenton—For (1) 329 tons 6-16 in. pipe (2) 24 hydrants (3) 150 tons sulphuric acid, from R. D. Wood & Co., 400 Chestnut St., Phila., (1) $59 per ton (2) $2,042; U. S. Cast Iron Pipe & Fdry. Co., Morris Bldg., Phila., (1) $59.30; Rensslaer Valve Co., 50 Church St., New York City, (2) $2,162; General Chemical Co., 1421 Chestnut St., Phila., (3) $13.50 per ton; E. I. Du Pond de Nemours Co., 125 South 5th St., Phila., (3) $17; Grasselli Chemical Co., 347 Madison Ave., New York City, (3) $17.60. Noted Mar. 22.

Wis., Milwaukee—Gate valves for Riverside Pumping Station (1) three 54 in. flanged gate valves (2a) three 42 in. (2b) two 42 in. (2c) six 4 in., (3) three 54 in. flanged horizontal check valves, from Kennedy Valve Co., East Water St., Elmira, N. Y., (1) $2,248 each (2a) $1,403 (2b) $1,340 (2c) $14.63; Michigan Valve & Fdry. Co., 3631 Parkinson St., Detroit, Mich., (3) $5,585 each. Noted March 8.

Wis., Milwaukee — Cast iron pipe and special castings for Riverside pumping station, from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, $35,681. Noted Mar. 22.

Wis., Milwaukee—For 1 story 130 x 240 ft., pumping station, brick and concrete, foot Chambers St., from P. Riesens Sons, 1018 Humboldt Ave., $434,791; H. Danischefsky, 1484 Humboldt Ave., $444,910; W. W. Oeflein, 86 Michigan Ave., $460,000. Noted March 15.

CONTRACTS AWARDED

N. Y., Brooklyn — Bd. Water Supply, Municipal Bldg., New York, Narrow Siphon 2, portion Catskill Aqueduct extending across New York Harbor from 86th St. and Shore Rd., Bay Ridge, here, to Vanderbilt Ave. and Bay St., Clifton, Staten Island, to Merritt, Chapman & Scott Corp., 17 Battery Pl., New York, $1,523,136; Park Slope and Ft. Hamilton conduits portion of city conduits of Catskill Aqueduct extending from Shaft 23 of city tunnel at Schermerhorn St. and 3rd Ave., etc., to T. A. Gillespie Co., 7 Dey St., New York, $2,338,805. Noted Mar. 29.

N. Y., Canandaigua — Bd. Pub. Wks., City Hall, Mar. 20, 12,061 ft. 16 in. and 806 ft. 12 in. c.i. mains, to P. H. Bowerman, Exch. Pl. Bldg., Rochester, $16,952. Engrs. est. $20,000. Noted Mar. 1.

N. Y., Scottsville—New Waterworks system, to Pittsburgh-Des Moines Co., Curry Bldg., Pittsburgh, Pa., $60,000. Noted Feb. 1 under "Sewers."

N. C., Roxboro—Laying 20,000 ft. 12 in. pipe, concrete and brick filter plant and pumping station, concrete reservoir, one 500 g.p.m. centrifugal pump, electric motor, one 500 gal. centrifugal pump, gas engine driven, to Boyd, Higgins & Goforth, Inc., Realty Bldg., Charlotte, $92,572. Noted Mar. 1.

O., Cleveland—Cuyahoga Co. 6,065 ft. 6 and 8 in. c.i. mains in Impvt. 27 of Co. Sewer Dist. 1, to Langahan Constr. Co., Marshall Bldg., $27,814. Noted Mar. 15.

O., Cleveland—Cuyahoga Co., 7,840 ft. 6 eand 8 in. c.i. mains, Impvt. 26, to J. B. Lynn, 1852 Rudwick Rd., $22,398. Noted Mar. 29.

Ind., Evansville—Water Dept., to United States Cast Iron Pipe and Fdry. Co., 520 Security Bldg., St. Louis, Mo., 540 tons 30 in. Class C bell and spigot water pipe $9.20 per ft. delivered, and 100 tons 6 and 8 in. Class C pipe, $47.50 per ton delivered.

Ia., Maurice—For 8,000 ft. 4-6 in. c.i. mains, tower, tank, pump machinery and well, to C. W. Roland Co., 216 Goodridge St., Des Moines, $16,200. Noted Jan. 4.

Md., Baltimore—Bd. Awards, addition to Montebello filtration plant, Contr. 63, 365,-000 cu.yd. excav., 74,000 cu.yd. rolled embankment, 45,400 cu.yd. concrete, 3,760,000 lb. steel reinforcing, 800 tons setting c.i. pipe, valves and sluice gates, to Carozza-Rowe Constr. Co., 624 North Gilmor St., $1,070,000. Noted Mar. 15.

Minn., Lake City—For 33,870 lin.ft. 6 in. and 768 lin.ft. 4 in. main, sixty-four 4 in. and one 5 in. hydrants, forty-seven 6 in. valves and boxes, 18,000 lb. specials, 29 connections to present mains, to Litchfield Drainage & Constr. Co., Litchfield, $58,943. Noted Mar. 8.

Minn., Lamberton—Water main extensions, 19,100 lin.ft. 4 and 6 in. c.i. pipe, forty-two 4 and 6 in. gate valves and boxes, 21 hydrants, 9,500 lb. specials, to Camden Constr. Co., Benson, $27,000. Noted Mar. 15.

Neb., Davenport — Elevated steel tank and tower, pump and pump house, 8 in. well, 4 and 6 in. pipe, valves, to C. Roebeck, 526 Securities Bldg., Omaha, $25,-000. Noted Mar. 8.

Tex., Ft. Worth—For 6-20 in. c.i. pipe, to Amer. Cast Iron Pipe Co., Acipco, Birmingham, Ala., $52 per ton, total $400,000.

Colo., Grand Junction—Concrete reservoir, 13,500,000 gal., to Orman Constr. Co., Pueblo, (street address not available), $97,-722. Noted Jan. 11.

Que., Montreal—Furnishing 1,371 ft. 8, 10, 12 and 30 in. c.i. pipe, to Canada Iron Foundries, Ltd., Three Rivers, $52.50 per ton and 7 tons 4 in. c.i. pipe, $57.50 per ton.

Sewers

PROPOSED WORK

Conn., Hartford—Plans 2,500 ft. 10-24 in. vitr. clay sewers in Cornwall, Thomaston and Plainfield Sts. $26,000. R. N. Clark, Municipal Bldg., engr.

N. Y., Jamestown—See "Streets and Roads."

N. Y., Rochester — See "Streets and Roads."

Fla., Gainesville — Apr. 10, to vote on $102,152 bonds extending sewerage system. G. H. Caimes, Gainesville, engr.

O., Columbus — Making plans 5,130 ft. 8-24 in. vitr. sewer in alley east of Cleveland Ave. $14,597; 3,405 ft. 6 and 8 in. vitr. sewer in Neil Ave. R. H. Simpson, city engr.

O., Columbus—See "Streets and Roads."

Ia., Bedford—Rejected bids Sect. 1, 21,-413 ft. 8 in. and 2,637 ft. 10 in. sewers, etc., Sect. 2, sludge bed, sprinkling filter, dosing chamber, etc. Work will probably be readvertised. Noted Mar. 15.

Tex., Big Springs—Apr. 16, to vote on $60,000 for sewerage extensions and improvements. W. R. Purser, mayor.

Calif., Compton—Plans election to vote on $25,000 bonds for sewers.

Sewers (Continued)

Calif., Pasadena—Having plans prepared 20 mi. sewers. W. C. Earle, city engr.

Calif., Santa Ana—Soon takes bids 1,000 tons c.i. sewer pipe.

Calif., Santa Barbara—Plans eelction to vote on $400,000 bonds for sewers.

Calif., Turlock—Soon takes bids 1,400 lin.ft. 10 in., 3,000 lin.ft. 8 in. and 6,000 lin.ft. 6 in. glazed, cement bell and spigot sewer pipes, to be delivered 60 days after award of contract. H. Hall, city engr.

Ont., Port Dalhousie—Plans 10,000 ft. sanitary sewers in Verdun Ave., Front, Main, Church, Queen and Lock Sts., vitr. tile pipe 8 in. up. $30,000. Engineer not selected.

Ont., Toronto—Making plans 15,000 ft. storm sewers in Oriole Parkway, Lascelles Blvd., Kilbarry and Wilberton Rds., vitr. tile, 8 in. up. $42,825. R. C. Harris, city engr.

Alta., Drumheller—Plans sewerage system. $50,000. J. Haddin, 209 8th Ave. W., Calgary, engr.

BIDS DESIRED

Vt., Bennington — See "Streets and Roads."

N. Y., Camden—Apr. 9, sanitary and storm water sewer in Main St. To exceed $25,000. L. G. Rush, clk. Bd. Village Trustees.

N. Y., Long Island City—Apr. 9, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Goodrich, 77th, 117th and 130th Sts., Ulster, and 89th Aves., 78th St. from 101st to 97th Aves., 101st Ave. from 78th to 80th Sts., 78th St., from Liberty to 101st Aves., 101st Ave. from 77th to 78th Sts.

Pa., Lebanon—Apr. 16, by Mayor and Council, extending sanitary sewerage system. W. S. Davis, city engr.; adv. this issue.

Ky., Louisville—Apr. 24, by Comrs. of Sewerage, Portland Relief sewer, 34th St. sewer and laterals. J. B. F. Breed, ch. engr.; adv. this issue.

O., Akron—Apr. 16, by W. F. Peters, dir. Pub. Serv., 3,800 lin.ft. 63 in. brick sewer in West Market St., $130,000; 5,215 lin.ft. 30-36 in. brick or segmental block sewer in South Main, Elmerling and South Arlington Sts., $85,000; 5,000 lin.ft. 8-24 in. vitr. clay sewer in Baird and Arlington Sts., Contrs. 3 and 4, $25,000. J. E. Root, Delaware Bldg., engr.

Ind., Indianapolis—Apr. 24, by Bd. Sanitary Comrs., City Hall, derydration building and equipment, of Sect. 5, Div. 3, for sewage disposal plant. J. A. Craven, pres.; adv. this issue.

Mich., Rochester—Apr. 9, by G. J. Taylor, clk., 4,930 ft. 8, 12 and 15 in. vitr. crock sewers in Main St. $25,000. Ruhling, Holdsworth & Hudson, 16549 Woodward Ave., Highland Park (Detroit P. O.), engrs.

Wis., Milwaukee — Apr. 14, by J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., 9,250 ft. 30 and 42 in. concrete pipe from east disposal plant in West Allis to 34th and National Aves., here. T. C. Hatton, c/o owner, engr.

Wis., Milwaukee — Apr. 13, by J. H. Fowles, secy. Sewerage Comn., 508 Market St., 167½ ft. twin outfall conduit from disposal plant on Jones Island to outer breakwater, rein.-con. on pile foundation. T. C. Hatton, c/o owner, engr.

Ia., Ossian — Apr. 10, for 18,000 ft. sewer, 50 manholes and 4 small disposal plants. C. Green, clk. H. R. Green, Co., Cedar Rapids Savings Bank Bldg., Cedar Rapids, engrs. Noted Nov. 22.

Ia., Waterloo—Apr. 16, for 12,808 lin.ft. 8-15 in. sewers and 27 manholes. R. B. Slippy, city engr.

Kan., Marysville — Apr. 23, sanitary sewers. B. F. Bowman, city engr.; adv. this issue.

S. D., Vermilion—Apr. 16, 7,296 ft. 6, 8, 10 and 15 in. sanitary sewer, 2,800 lin. ft. relief storm sewer, etc. $25,000. C. I. Vaughn, city aud.

Wyo., Laramie—Apr. 19, for 38,457 lin.ft. 8-27 in vitr. and 896 ft. 10-24 in. c.i. sewers, 87 standard and 5 drop manholes, 12 flush tanks, 10 special shallow manholes, etc., also sewage disposal plant. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Nov. 2.

Utah, Ogden—Apr. 10, 14,618 ft. 8-12 in. concrete or vitr. clay sanitary sewers, Dist. 147. $43,000. W. S. Craven, city engr. Noted Feb. 22.

Ont., Hamilton—Apr. 18, by T. W. Gutten, chn. Bd. Control, 922 ft. of 54 in. brick sewer in tunnel in McNab and Main Sts. $35,000. E. R. Gray, city engr. Noted Mar. 1.

BIDS RECEIVED

O., Akron—W. F. Peters, dir. Pub. Serv., Mar. 26, for (1) 3,860 ft. brick or segmental block sewer in Brown St., engrs. est. $76,000, (2) 3,930 ft. brick sewer in Carpenter Heights, engrs. est. $108,000, from F. George, 47 Buchtel Ave., (1) $64,048 (2) $99,199; J. J. Hunt & Co., 842 Kenyon St., (1) $71,195; Di Foti Constr. Co., 72 Furnace St., (1) $73,108; R. D. Salisbury, 160 Walnut Terrace, (2) $94,303; Shullo Constr. Co., 932 2nd National Bldg., (2) $102,894. Noted Mar. 22.

Calif., Alhambra—For San Marino Outfall system, (1) Div. 1 (2) Divisions 2, 3, 4 and 5, A, B, C, D, E, F, G, H and J lines, from R. H. Downer, 2234 Macdonald Ave., Richmond, (1) $18,605 (2) $141,409, alternate $134,635; Hickey & Harmon, East San Diego, (1) $20,064 (2) $123,806 and $118,939; G. W. Kemper, Venice, (1) $20,474 (2) $140,350 and $136,587; H. D. Churchill Co., 253 South Bway., Los Angeles, (2) $144,222 and $134,963.

CONTRACTS AWARDED

N. Y., Binghamton—For 18,000 ft. 27 in. sewer in Leroy St., to G. D'Angelo, Binghamton (street address not available) $46,500.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., storm water sewer in 25th St. from Riker to Ditmars Aves., etc., to Booth & Flinn, Ltd., Green and Tompkins Aves., Brooklyn, $528,002. Noted Mar. 15.

N. Y., Long Island City—See "Streets and Roads."

N. Y., Spring Valley—Sewers and sewage disposal plant, to B. Pizzimenti, Harrison, $219,018. Noted Feb. 15.

N. J., Newark—Passaic Valley Sewerage Comrs., 128 Market St., Union Outlet Sewer Connections, to H. L. Harrison, 31 Clinton St., $35,600. Noted Mar. 29.

Pa., Natrena—Harrison Twp., 5 mi. 24 in. terra cotta sewers, to S. Baumgardner, Orchard Ave., Bellevue (Pittsburgh P. O.) $59,700.

Pa., Washington—Sanitary sewers incl. 9,400 ft. 8-12 in. terra cotta, to M. H. Kumselman, Fayette St., $29,348.

Mich., Pleasant Ridge—O. C. Kell, village clk., 24,400 ft. 12-66 in. vitr. crock, concrete or segment block sewers, to G. Ponterilli, Wolverine Hotel, Detroit, $156,446. Noted Mar. 29.

Wis., Milwaukee—East high level sewer, Sect. 1, from Mason St. and Bway, to Cambridge and Brady Sts., to Wenzel & Henoch Co., 498 27th St., $495,468. Noted Mar. 15.

Wis., Milwaukee—Metropolitan Sewerage Comn., 508 Market St., main sewer, Sect. 2, 9,060 ft. 36 in. concrete pipe in tunnel, to A. H. Prange, 101 Campeau Ave., Grand Rapids, Mich., $317,425. Noted Mar. 15.

Minn., Lake City — Sanitary Sewerage system, 59,303 lin.ft. 8-18 in. sewer pipe, manholes, flush tanks, etc., 6,600 lin.ft. 8-12 in. storm sewers, 11 manholes, 65 storm water inlets, etc., to Christensen & Axelsen, Clear Lake, Ia., $99,080. Noted Mar. 8.

Kan., Wichita — To Foster & Skaer, Wichita (street address not available) 1,970 lin.ft. 10 in. sewer pipe $0.99, 4,100 lin.ft. 8 in. 0.78, 2,300 lin.ft. 8 in. $0.85, 2,650 lin.ft. 8 in. $0.82, 33 manholes $55.50, 10 manholes $39, 12 manholes $55; to Municipal Excavator Co., 200 East Main St., Oklahoma City, Okla., 350 lin.ft. 18 in. $2.18, 200 lin.ft. 15 in. $1.78, 450 lin.ft. 12 in. $1.49, 2,600 lin.ft. 8 in. $0.75, 160 lin.ft. 18 in. $2.22, 3 manholes $65, 12 manholes $66, 7 combination manholes and catch basins $75; to H. L. Miles, 331½ East Douglas St., 350 lin.ft. 12 in. pipe $1.56, 3 manholes $45, 12 sanitary sewer connections $5; to F. C. Kensler, 1558 South Water St., 1,562 lin.ft. combined curb and gutter $0.84; to F. T. Newell, (street address not available) 2,198 sq.yd. excav. $0.57.

Utah, Ogden — For 18,019 ft. 8-24 in. concrete sanitary sewers, Dist. 149, and 21,429 ft. 8-15 in. concrete sewers, Dist. 148, to W. E. Roche, Ogden (street address not available), $74,236 and $68,663 respectively. Noted Mar. 29.

Calif., Santa Barbara—See "Streets and Roads."

Waste Disposal

PROPOSED WORK

Wis., West Allis — Soon takes bids 2 story garbage incinerator, brick and concrete, 20 ton furnace and digester, 44th Ave. and Burham St. $30,000. W. Darby, City Hall, engr. Noted Jan. 11.

BIDS DESIRED

O., Cleveland—Apr. 26, by J. F. Maline, dir. Pub. Serv., City Hall, 3 story garbage reduction plant, steel frame, 400 tons daily capacity, Canal Rd. $850,000. Noted Nov. 2.

Bridges

PROPOSED WORK

New Hampshire — See "Streets and Roads."

Mass., Russell—Plans steel and concrete bridge, $70,000. A. L. Quance, member Bd. Selectmen. Engineer not selected.

N. Y., Hammondsport—Apr. 12, to vote on $25,000 bonds for concrete highway bridges on Hammondsport-Branchport Rd.

N. Y., Niagara Falls—Niagara Falls Power Co. plans new concrete bridges over Hydraulic Canal, at Little 4th and 2nd Sts. To exceed $25,000. F. L. Lovelace, secy.

N. Y., Norwich — Voted $27,000 bonds rein.-con. bridge over Canasawacta Creek. L. H. Babcock, mayor. Noted Mar. 1.

N. Y., Utica—Common Council and New York Central R.R., Grand Central Terminal, New York City, plan viaduct over railroad tracks on Miller Rd. and Park Ave. or Mohawk St., here. To exceed $100,000. Address R. S. Cookinham, city engr.

N. J., Washingtons Crossing (Taylorsville, Pa., P. O.)—State Legislature, Trenton, appropriated $200,000 for bridge over Delaware River, here. State of Pennsylvania will appropriate $200,000 and Federal Government $400,000.

Pa., Athens—Bradford Co., Towanda, plans new bridge across Chemung River, here. $100,000-$125,000.

N. C., Graham—See "Streets and Roads."

Mich., Detroit—Crowley Milner Co., Gratiot Ave., having plans prepared steel bridge 20 ft. wide, 55 ft. span, connecting 2 buildings and extending from 3rd to 7th floors inclusive, across Library Ave. $25,000. Private plans.

Utah—State Road Dept., Salt Lake City, soon takes bids ¼ mi. steel and concrete overhead crossing over Union Pacific R.R. tracks, on Price-Castlegate Rd., Weber Co. $200,000. H. C. Means, state road engr.

Wash., Vancouver—Clarke Co. plans steel bridge, one 140 ft. and one 70 ft. span, over Washougal Creek. $25,000. W. A. Swartz, Vancouver, engr.

Calif., Dumbarton (Centerville P. O.)—Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., plan 5,600 ft. bridge, 28 ft. wide, 2 mi. approach, over San Francisco Bay, here. $2,000,000.

Calif., Pasadena—To vote on $100,000 bonds to replace Linda Vista Bridge.

Ont., Oakville — Plans highway bridge over Sixteen Mile Creek, 300-400 ft. long, 20 ft. wide, concrete piers and abutments, steel trestle. $90,000. P. Bath, town clk.

Ont., Toronto—York Twp., 40 Jarvis St., having plans prepared 200 ft. concrete cantilever bridge over Rosedale Ravine on Astley Ave. $135,000. F. G. Engholm, 16 Gloucester St., engr. Noted Dec. 28.

BIDS DESIRED

Massachusetts—Apr. 10, by F. B. Freeman, ch. engr., Boston & Albany R.R., South Sta., Boston, fabrication and delivery of structural steelwork, 226,000 lb. more or less, Bridge 70.68, 1.08 mi. west West Brookfield; 38,000 lb. more or less, Bridge 142.76, Main St., Hinsdale; 38,000 lb. more or less, Bridge 144.18, East Main St., Dalton.

Illinois—See "Streets and Roads."

Ill., Chicago — Apr. 16, by South Park Comrs., 57th St. and Cottage Grove Ave., for South Park Blvd. viaduct. J. F. Neil, secy. Condron Co., consult. engrs.; adv. this issue.

Wis., Appleton — Apr. 18, by E. L. Williams, city clk., 2 rein.-con. and steel bridges across Fox River at Lawe and Cherry Sts. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted Mar. 1.

Wis., Eau Claire — See "Streets and Roads."

Wis., Monroe—See "Streets and Roads."

Minn., Crookston — See "Streets and Roads."

Kan., St. Francis — See "Streets and Roads."

Kan., Seneca—See "Streets and Roads."

Okla., Pauls Valley—Apr. 9, by J. S. Bottons, city clk., 3 rein.-con. beam bridges, concrete foundations, to replace present wooden bridges. $25,000. T. B. Mathews, Durant, engr. Noted Dec. 28.

Wash., Chehalis — Apr. 17, by Comrs. Lewis Co., 220 ft. steel bridge, concrete piers, at Claquato. R. L. Greene, Chehalis, engr. Noted Mar. 1.

Wash., Olympia — See "Streets and Roads."

Bridges (Continued)

Calif., Sacramento—Apr. 20, by H. W. Hall, clk. Sacramento Co., structural steel and machinery for Paintersville Bridge, 700 ft. long, and Steamboat Slough Bridge, 280 ft. long. C. W. Deterding, co. engr. Noted Mar. 22.

Ont., Walkerton—Bruce Co. taking bids 118 ft. steel truss highway bridge, 18 ft. roadway, on Concession B, Greenock Twp. $35,000. G. E. Stevenson, Box 201, engr.

CONTRACTS AWARDED

Pa., Media—Delaware Co., Plush Mill Bridge 107, (a) lump sum bids, (b) quantity tabulation, from Seeds & Durham, 6314 Wissahicken Ave., Phila., (a) $197,475, (b) $203,380; T. Sheahan, P. O. Box 508, Hagerstown, Md., (a) $224,418, (b) $233,070; H. Denburger Contg. Co., Bethlehem, (a) $240,000, (b) $246,040. Contract awarded to lowest bidder.

O., Akron—W. F. Peters, dir. Pub. Serv., 30 x 200 ft. concrete trestle and 40 x 98 ft. steel encased concrete bridge, West Market St., to T. E. McShaffrey Constr. Co., 171 South Forge St., $38,320. Engrs. est. $35,000. Noted Mar. 22.

Wis., Eau Claire—State Hy. Comn., Madison St. Bridge over Chippewa River, to Stein Constr. Co., 204 Grand Ave., Milwaukee, additional concrete in substructure at same depth $20, at greater depth $40, less concrete in substructure than shown $4, etc., total $201,640. Noted March 8.

Wis., Watertown—Jefferson Co. (Jefferson), Tourist Park bridge, near here, to Hoffman Constr. Co., 1087 Oneida St., Appleton, 1,102 cu.yd. Class A concrete $24.50, etc., total $28,963.

Ia., Ft. Madison—Lee Co. will build 2 box culverts, 2 I-beams and 2 pony trusses by day labor. M. F. McFarland, Ft. Madison, engr.

Utah—State Rd. Comn., Salt Lake City, 75 ft. steel bridge, 18 ft., over Coal Creek, Federal Aid Project 48, Iron Co., to Kraft & Bundy, Ogden, (street address not available), $26,590. Noted Mar. 8.

Ont., Brantford—C. S. Moyer, ch. Pub. Wks., c/o City Clerk, 3 span rein.-con. bridge, 500 ft. long, 64 ft. wide, to Port Arthur Constr. Co., Excelsior Life Bldg., Toronto, $260,300. City supplies 16,000 bbl. cement, paves bridge, constructs railings, etc., $74,345. Noted Mar. 8.

Dams

PROPOSED WORK

New York—See "Miscellaneous."

Ind., Ft. Wayne—Apr. 9, by Bd. Pub. Wks., movable dam and appurtenances across Maumee River. J. B. Kocks, member of Bd.; adv. this issue. Noted Dec. 28.

Ont., Lansing—See "Waterworks."

Railways

PROPOSED WORK

New York—Erie R.R. Co., 50 Church St., New York, plans improvements here, incl. relaying and ballasting new tracks, switches and regrading. $100,000. J. J. Mantell, vice pres. in charge New York Div.

New York—New York State Railways plan extending trolley tracks from James to St. Vincent Sts.; relaying tracks on Bleecker and Genesee Sts.; trolley track loop at Yahnundasis Club entrance, here. $150,000. B. E. Tilton, vice pres. and genl. mgr.

North Carolina—Murphy & Peachtree Ry., (recently incorporated), Murphy, plans 6 mi. railroad to connect Murphy with Carolina and Georgia R.R. at Peachtree. $200,000. B. W. Snipe, Murphy, dir.

North Carolina — Atlantic Coast Line R.R., Atlantic Coast Line Bldg., Wilmington, plans station facilities, shops, rails, yards, completion of double track from Richmond, Va., to Jacksonville, Fla., 95 locomotives, 100 passenger cars, 5,331 freight cars, 2,000 of which will be built at Rocky Mount, large coach and repair shop at Rocky Mount and shops at Wilmington will be enlarged. $26,000,000. J. E. Willoughby, ch. engr.

Florida—City of South Jacksonville, (Jacksonville P. O.), election Apr. 10, to vote on $100,000 bonds for street railway. S. Cates, city clk.

Washington — Hammond Lumber Co., Gasco Bldg., Portland, Ore., plans 6 mi. railroad from Kelso to Sawmill on Coweman River. $150,000. G. B. McCloud, Gasco Bldg., Portland Ore., ch. engr.

California — See "Miscellaneous, under San Diego."

Ontario—Hydro Electric Power Comn., Hydro Bldg., University Ave., Toronto, plans to expend $760,000 improving electric street railway system in Windsor, incl. new trackwork, repairs, switches, ties, etc. F. A. Gaby, ch. engr.

Quebec — Montreal Tramways Co., 78 Craig St. W., plans to lay 82,450 ft. track in Notre Dame St. from Fulford to Atwater Aves., Notre Dame St., from Atwater Ave. to city limits, Notre Dame St. from Frontenac to Bourbonniere Sts., Defleurimont St. from St. Denis to DeNormanville Sts., St. Dominique St. from Bellechasse to Isabeau Sts. $2,000,000. R. B. Graves, ch. engr.

CONTRACTS AWARDED

California—Southern Pacific Co., 65 Market St., San Francisco, 6.7 mi. double track railroad in Nevada Co. in vicinity of Truckee, 100,000 cu.yd. excav. to Erickson & Peterson, Monadnock Bldg., San Francisco; double tracking 5 mi. railroad in Nevada Co. in vicinity of Truckee, 70,000 cu.yd. excav., to Utah Constr. Co., Phelan Bldg., San Francisco. Noted Mar. 29.

Excavation, Drainage, Irrigation

PROPOSED WORK

Mo., Labaddie—Labaddie Bottoms D.D. having preliminary surveys made and takes bids about July 1, control of Missouri River to provide protection for approximately 35,000 acres land, near here. C. E. Jacobi, 527 Shukert Bldg., Kansas City, engr.

Mo., St. Charles — Dradenne-Peruque Drainage & Levee Dist., had plans prepared levee protection and drainage system for 30,000 acres, incl. diversion channel, drainage ditches, levees and 1 story, 40 x 60 ft. brick and concrete pumping station. Work involves 3,020,500 cu.yd. dry earth excav. and 900,000 cu.yd. rein.-con. for levee work. $621,233. T. N. Jacob, 1900 Ry. Exch. Bldg., St. Louis, engr.

Illinois—See "Miscellaneous."

Mo., Memphis — Little Fox River D.D. having plans prepared 200,000 yd. open ditch excav. $40,000. C. J. Wiegner, Memphis, engr.

Mo., Memphis—South Davies Co., D.D., having plans prepared and takes bids May 15 to June 1, for 2,500,000 yd. excav. $360,000. C. J. Wiegner, Memphis, engr.

Tex., San Saba—San Saba Co. plans election to create irrigation district to embrace 40,000 acres in San Saba River Valley. Tentative plans include dam 16 mi. west of here, 100 ft. high, 300 ft. long, and 140,000 acre feet storage reservoir. $2,000,000.

Wis., New London—City Council appropriated $75,000 to construct canal and drainage system to join Wolf and Embarrass Rivers. C. J. Thompson, clk. Engineer not selected.

Calif., Long Beach — Plans to dredge harbor. To exceed $50,000. C. H. Windham, city mgr.

Ont., Barrie—Simcoe Co. and Provincial Dept. Pub. Wks., Parliament Bldgs., Toronto, had report prepared for draining lowlands along Nottawasoga River, earth ditching and excav. $860,000. G. M. McCubbin, 135 King St., Chatham, engr. Noted Dec. 28.

BIDS DESIRED

N. Y., New York—Apr. 17, by Commissioner Docks, Pier "A," North River, dredging between West 97th and West 99th Sts.

Ia., Algona—Apr. 12, by Auditor Kossuth Co., Drainage Dist. 160, 44,475 lin.ft. 6-30 in. tile, 1 rein.-con., headwall, 25 intakes, etc. $25,000.

Ia., Audubon—Apr. 23, by Auditor Audubon Co., East Nishnabotna River D. D. 4, 12 mi. main ditch and 6 laterals 5 mi., 945,680 cu.yd. excav. $125,000-$150,000. A. J. Van Sise, Atlantic, engr. Noted Feb. 1.

Okla., Pauls Valley—Apr. 9, by J. S. Bottons, city clk., straightening Rush Creek through city limits, 53,400 cu.yd. earth excav., etc. $25,000. T. B. Mathews, Durant, engr.

Calif., Oroville—Apr. 16, by J. A. Wisner, secy. Oroville-Wyandotte Irrigation Dist., 3,720 ft. continuous red wood stave pipe, trench and ditch, incl. 2,600 cu.yd. earth, 2,600 cu.yd. loose or soft rock and 2,600 cu.yd. solid rock excav. S. J. Norris, ch. engr.

BIDS RECEIVED

N. Y., Buffalo—Dredging Buffalo Inner Harbor to completed contract depth for maintenance of channel, from Empire Eng. Co., Inc., North Tonawanda, $0.345 per cu.yd. scow measure; Great Lakes Dredge & Dock Co., D. S. Morgan Bldg., $0.38; Dunbar Sullivan Dredging Co., 505 Iroquois Bldg., $0.40. Noted Mar. 15.

N. Y., New York—See "Miscellaneous."

CONTRACTS AWARDED

N. J., Mays Landing—Commerce & Navigation Dept., State House, Trenton, dredging 57,142 sq.yd. main channel, Absecon Inlet, here, to Hill Dredging Co., Atlantic and Somerset Sts., Atlantic City, $0.35 per sq.yd.

Wis., Janesville — See "Miscellaneous" under foundation.

Ia., Newton—Jasper Co., Drainage Ditch 11, Sect. 1, 32,400 lin.ft. main ditch, 324,340 cu.yd. excav., Sect. 2, 16,100 lin.ft. main ditch, 239,340 cu.yd. excav., Sect. 3, 3,258 lin.ft. Indian Creek cutoff, 25,000 cu.yd. excav., to Storm Lake Constr. Co., Storm Lake, $100,000. Noted Mar. 1.

Mo., Clayton—St. Louis Co. River Impvt. Assn., c/o B. Hoekstra, member Bd. Supervs., standard river retards in Missouri River between Franklin Co. line and St. Charles, to divert current to north bank, provides protection for 12,000 acres, to Wood Bros. Constr. Co., Lincoln, Neb. (street address not available), $142,500. Engrs. est. $150,000. Noted Nov. 9.

Tex., Houston—See "Industrial Works."

Calif., Yuba City—See "Miscellaneous."

Streets and Roads

PROPOSED WORK

New Hampshire—State Hy. Comn., Concord, appropriated $1,033,500 for road work, incl. $28,588 for Pinkham Notch Rd. and $30,000 for bridges on same; also $1,466,500 for road maintenance. F. E. Everett, state highway engr.

N. Y., Binghamton—Preparing plans 12,000 sq.yd. paving and 5,500 lin.ft. curbing on State St. W. E. Weller, city engr. Noted Jan. 11.

N. Y., Canandaigua—Ontario Co. plans to appropriate $330,000 for highways during 1923. Engineer not announced.

N. Y., East Aurora—Plans paving Fillmore Ave. $30,000. E. Hubbard, 2nd. village pres.

N. Y., Jamestown — Plans paving 20 streets, 21,700 ft. brick on concrete. To exceed $25,000. L. O. Bergman, city engr.

N. Y., Jamestown—Plans concrete curbing, guttering and paving West 3rd St. extension, also sewer in Lakeview Ave. extension. $25,000. L. O. Bergman, city engr.

N. Y., Lockport—Bd. Pub. Wks. plans paving 2 mi. road between South Transit St. and city line. $30,000.

N. Y., Lockport—Niagara Co. plans paving 2 mi. South Transit Rd., 16 ft., concrete or like material. $30,000. T. Brennan, Lockport, engr.

N. Y., Olean—Plans paving Monroe Terrace, Virginia and Carolina Sts., brick or similar material. $25,000. S. W. Ostrom, comr. Pub. Wks.

N. Y., Perry—Voted $50,000 bonds new pavements and macadam highways. M. H. Wright, village pres. Noted Mar. 15.

N. Y., Rochester—Bd. Pub. Wks., plans willite asphalt paving Ernst St. $17,250; asphalt paving Renwood, Sobieski and St. Stanislaus Sts., $48,100; grading, laying sidewalks and sewers in Northland Ave. and other streets, $133,000. C. A. Poole, city engr.

N. Y., Syracuse—Had plans prepared grading Lombard, Turtle, Spencer, Pulawski and North Geddes Sts. $101,100. T. H. Mather, city engr.

N. Y., Utica—Plans paving Richardson Pl., Proctor Blvd. and Higby Rd. To exceed $25,000. R. S. Cookinham, city engr.

N. J., Roselle Park (Elizabeth P. O.)—Soon takes bids curbing, laying sidewalks and paving Walnut St., Clay and Sheridan Aves., rein.-con. $75,000. J. Wallace Higgins, 52 Vanderbilt Ave., New York City, engr.

N. J., Trenton — Plans widening North Montgomery St. from Federal Bldg. to East Hanover St. $42,000. A. Swan, City Hall, engr.

Pa., Lebanon—Plans paving 40,000 sq. yd. on 9 streets. W. S. Davis, city engr.

Pa., Oil City—Plans grading, curbing and paving with brick on concrete, Grandview Ave. and Innis St., $50,000, curbing and paving with brick and concrete Carroll and Cedar Aves., Wayne, Smithman and Merritt Sts., $25,000. M. Weber, city engr.

Pa., Sharon—Plans 6,260 ft. asphalt and brick pavements. L. E. Burnside, city engr.

Pa., Sharon—Plans 3,160 ft. brick, asphalt, or bitulithic on Highland and

Streets and Roads (Continued)

Stambaugh Aves. $55,000. L. E. Burnside, city engr.

N. C., Graham—Alamance Co. plans road and bridge construction. $50,000. J. T. Love, Burlington, co. comr.

N. C., Leaksville—Plans grading, granite curbing, concrete guttering and paving various streets with some asphaltic type on concrete. $190,000. Webb & Cole, Salisburg, engrs.

N. C., Lincolnton—Lincoln Co. plans hard surfacing 6 mi. road from Macpelah to Lowesville $180,000; road from Macpelah to Denver $170,000. R. C. Goode, ch. Bd. Comrs.

N. C., Raleigh — North Carolina State College of Agriculture and Engineering plans curbing, guttering, laying concrete sidewalks, driveways, etc., on campus. $30,000. W. C. Riddick, pres.

Fla., Clearwater—Pinellas Co. election May 2 to vote on $3,275,000 bonds for county roads. C. E. Burleson, Clearwater, engr.

Tenn., Manchester—Coffee Co. Rd. Comn. takes bids about Apr. 23, macadam surface on hand placed limestone 7 mi. Manchester Beech Grove Rd. N. H. Meriwether, Tullahoma, ch. engr.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids which were to be opened Mar. 30, grading, bridging and paving 18.7016 mi. roads in Darke, Erie, Gallia, Miami, Putnam, Richland, Warren and Delaware Counties. Noted Mar. 22.

O., Canton—Stark Co. plans grading and paving 2.5 mi. Swamp Rd., 16 ft., asphalt macadam or rein.-con., $100,000; 1.15 mi. Oberlin Rd., 16 ft., vitr. brick, vertical fibre brick, concrete or bituminous concrete, $45,000. G. L. Sickafoose, co. surv.

O., Columbus — Making plans grading, curbing, laying necessary water services and sewer connections and paving Binns Blvd., Crescent Dr., Wyandotte Ave., 5th and 8th Sts., alley west of 4th St., alley west of Waldeck Ave., alley north of Norwich Ave., alley west of Taylor Ave., alley north of 10th Ave., alley north of Clark St., and alley north of McMillen Ave., brick, concrete or asphalt. R. H. Simpson, city engr.

Michigan — State Hy. Dept., Lansing, soon takes bids grading and surfacing 17 mi. roads in Mason, Oakland, Ingham, Eaton, Ottawa and Muskegon Counties, concrete; 5½ mi. road in Macomb Co., asphalt, concrete or bituminous concrete; 10 mi. road in Antrim and Charlevoix Counties, gravel. F. F. Rogers, state comr.

Ia., Carroll—Carroll Co. making plans paving 17 blocks Lincoln Highway, Primary Rd. Project 18. $36,000. J. F. Maher, Carroll, co. engr.

Kan., Wichita—Plans curbing, guttering and paving approximately 44 blocks, asphaltic concrete on 5 in. base, concrete, vertical brick and sheet asphalt. P. L. Brockway, city engr.

Neb., Norfolk—Plans paving 26 blocks, Dist. 16, various types. H. H. Tracy, Norfolk, engr.

Neb., Schuyler—Having plans prepared paving various streets. $100,000-$125,000. Prince-Nixon Eng. Co., 501 Peters Trust Bldg., Omaha, engrs.

S. D., Rapid City—Making plans paving 12 blocks. $45,000. J. P. Egan, city aud.

N. D., Williston — Williams Co. plans grading and improving roads. $30,000. A. F. Young, co. surv.

Mont., Helena — Plans grading, paving and storm sewers in 2,960 ft. Madison and Powers Sts., 31 ft., bituminous concrete or bituminous macadam, $36,500; 4,500 ft. 6th Ave., 36 ft., concrete, bituminous concrete or bituminous macadam, also 1,588 lin.ft. 10-12 in. sewers, $75,000; resurfacing present brick pavement on 3,750 ft. Main St., 40 ft., bituminous concrete, $48,000. T. Carmichael, city engr.

Mo., Marshall—Soon takes bids for 20,000 sq.yd. asphaltic macadam pavements. C. T. Hough, Marshall, engr.

Mo., St. Louis—Plans widening 12th St. from 60 to 90 ft. $1,240,000 exclusive of paving. City's share $350,000.

Ark., Fayetteville—Making plans paving College Ave., asphaltic concrete or concrete or stone. $50,000. Radcliff & Bird, Fayetteville, engrs.

Ark., Sprindale—Takes bids about Apr. 14, paving various streets, concrete or asphaltic macadam. $30,000. Radliff & Bird, Fayetteville, engrs.

Tex., Brenham—Attorney Generals Dept., Austin, approved $700,000 bond issue highway improvements in Washington Co. G. A. Bracher, co. engr.

Tex., Bryan—Apr. 10, to vote on $50,000 bond issue improving streets. E. E. McAdams, engr. and city mgr.

Tex., Canton — Van Zandt Co. making plans grading and gravel surfacing 9.25 mi. Dixie Highway, Grand Saline, 16 ft. $50,500. E. W. Gaines, co. engr.

SIPHON—BROOKLYN, N. Y.

Bids were opened by Bd. Water Supply, Municipal Bldg., New York City, March 20, for constructing Narrows Siphon No. 2 of Catskill Aqueduct, New York Harbor, from (A) Merritt, Chapman & Scott Corp., 17 Battery Pl., New York City (awarded contract); (B) F. Snare Corp., 8 West 40th St., New York City. The unit bids were as follows:

	A	B
4,650 ton furnishing submarine pipe	$130.00	$156.60
290 ton furnishing straight hub and spigot cast-iron pipe	78.00	79.00
40 ton furnishing cast-iron hub and spigot pipe specials	240.00	160.00
48 x 24 in. and 42 x 24 in. Venturi meters (lump sum)	10,800.00	14,000.00
425,000 cu.yd. submarine excavation	.535	.48
8,800 lin.ft. laying submarine pipe line	39.79	44.00
180,000 cu.yd. refilling over submarine pipe line with sand or sand and gravel from harbor bottom	.48	.54
25,000 cu.yd. refilling over submarine pipe line with sand and gravel not from harbor bottom	.70	1.20
12,000 cu.yd. refilling over submarine pipe line withbroken stone	2.94	3.00
5,000 cu.yd. earth excavation and refilling on land	4.44	5.50
300 cu.yd. rock excavation on land	25.00	11.00
1,050 lin.ft. laying hub and spigot cast-iron pipe and special pipe castings	4.50	6.00
120,000 lb. miscellaneous cast iron, wrought iron and steel	.10	.14
35,000 lb. caring for and setting metal-work furnished by the city	.04	.03
80 man-day preliminary tests on flexible pipe joints (skilled labor)	20.00	20.00
200 man-day preliminary tests on flexible pipe joints (unskilled labor)	6.00	15.00
30 day preliminary tests on flexible pipe joints (plants and materials)	75.00	200.00
1,500 bbl. portland cement	3.60	3.20
450 cu.yd. reinforced-concrete masonry trough	14.40	20.00
500 cu.yd. brick and concrete masonry not included in Item 19	20.00	18.00
150 cu.yd. stone masonry of Brooklyn sea wall	42.00	20.00
500 cu.yd. stone foundation of Brooklyn sea wall	5.00	10.00
50 lin.ft. vitrified pipe	6.00	5.00
20 cu.yd. crushed stone and gravel for drains and ballast	7.20	5.00
250 sq.yd. street pavement, sidewalks and crosswalks	7.20	6.00
4,600 lin.ft. piles for foundations	1.60	1.10
70 M ft. b.m. timber and lumber	150.00	125.00
850,000 lb. steel sheet piling	.065	.055
Extended totals	$1,525,136	$1,684,660

CONDUITS—BROOKLYN, N. Y.

Bids were opened by Bd. Water Supply, Municipal Bldg., New York City, March 20, for constructing Park Slope and Fort Hamilton Conduits of Catskill Aqueduct, (A) T. A. Gillespie Co., 7 Dey St., New York City (awarded contract); (B) P. McGovern, Inc., 50 East 42nd St., New York City; (C) A. Paino, 32 Court St., Brooklyn; (D) P. F. Connolly, 2029 East 102nd St., Cleveland, O. The unit bids were as follows:

	A	B	C	D
150,000 cu.yd. earth excavation and refilling not included in Item 2	$4.18	$4.25	$2.30	$4.40
5,100 cu.yd. earth excavation and refilling at railroad and sewer crossings	8.91	8.00	2.00	20.00
7,500 cu.yd. rock excavation	2.75	6.75	2.00	4.40
110 M. ft. b.m. timber and lumber ordered left in place	45.00	90.00	60.00	100.00
5,980 lin.ft. 72-in. steel pipe, ½-in. plate, lap joints	32.33	36.20	46.00	34.55
33,310 lin.ft. 72-in. steel pipe, 7/16-in. plate, lap joints	32.33	31.20	43.00	32.25
2,140 lin.ft. 66-in. steel pipe, ½-in. plate, lap joints	32.33	30.70	38.00	31.80
140 ton cast-iron pipe, straight hub-and-spigot	101.60	82.50	185.00	75.00
110 ton cast-iron hub and spigot specials	188.00	168.00	200.00	145.00
60 ton cast-iron flanged pipe and specials	228.00	177.00	200.00	215.00
85 ton cast-iron valve-boxes, manhole heads and covers	120.00	150.00	100.00	120.00
34,000 lb. steel castings	.25	.25	.22	.20
550,000 lb. caring for and setting metal work furnished by the city	.02	.02	.02	.015
1 meter, 72 x 36 in. Venturi meter	25,533.00	5 500.00	21 500.00	7,250.00
90,000 lb. structural and reinforcing steel	.07	.07	.04	.08
110,000 lb. miscellaneous cast iron, wrought iron and steel	.10	.15	.10	.12
9,000 bbl. Portland cement	2.60	2.75	3.00	3.00
1,300 cu.yd. concrete masonry at railroad and sewer crossings	11.50	11.15	7.50	13.00
100 cu.yd. concrete masonry as cradles for sewers and drains	10.00	10.90	7.50	10.00
4,700 cu. yd. concrete masonry under pavements and curbs	7.00	7.15	5.00	8.00
1,250 cu.yd. brick and concrete masonry	17.00	28.00	10.00	20.00
8,000 sq.ft. mortar lining of steel pipes	.35	.25	.40	.25
450 changing water services, 2-in. and smaller	9.00	30.00	5.00	10.00
1 20-in. wet connection to 30-in. cast-iron pipe	1,075.00	1,600.00	2,700.00	3,000.00
1 20-in. pressure-regulating valve	1,100.00	1,400.00	3,500.00	2,000.00
70 cu.yd. crushed stone and gravel for drains and ballast	3.75	4.50	5.00	5.00
6,500 lin. ft. vitrified pipe, 3 to 8 in. in diameter	.55	.70	.75	.80
3,500 lin.ft. vitrified pipe, 9 to 18 in. in diameter	1.30	1.50	3.00	1.50
26,000 sq.yd. asphalt pavement	1.85	2.50	1.50	1.80
200 sq.yd. wood block pavement	4.41	5.00	3.00	5.00
2,300 sq.yd. granite block pavement	1.52	4.00	2.00	3.00
2,700 sq.yd. telford macadam pavement	1.25	2.00	2.00	2.00
3,000 sq.yd. flag sidewalks and cross walks	2.50	1.50	.50	2.50
1,500 sq.yd. cement concrete sidewalks	2.25	2.00	2.00	2.25
1,300 lin.ft. curb	2.00	1.00	1.50	1.50
Extended totals	$2,338,805	$2,388,426	$2,445,435	$2,450,434

Tex., Galveston — May 8, to vote on $1,250,000 bond issue grading, paving, etc. from Ave. J south and west of 40th St. to city limits. C. A. Holt, Jr., city engr.

Tex., Kountze—Hardin Co. making plans and soon takes bids grading and shell surfacing 15.66 mi. Beaumont-Mountze-Valley Mills Highway, 16 ft. $185,000. G. C. Brown, co. engr.

Tex., Sinton—San Patricio Co. making plans grading and shell surfacing 8.6 mi. Arkansas Pass-Gregory Highway, 16 ft. $72,500. F. M. Percival, Rockport, co. engr.

Okla., Garber—Soon takes bids paving Main St., various types. $80,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Mar. 22.

Okla., Sapulpa—Creek Co. voted $300,000 bonds hardsurfacing 21 mi. Albert Pike Highway.

Colorado—State Hy. Dept., Denver, rejected bids paving 1.957 mi. road, State Project 791, Araphoe Co., cement concrete or Topeka specification bituminous. $71,160. Will probably readvertise soon. L. D. Blauvelt, State Office Bldg., Denver, engr. Noted Mar. 15.

Utah—State Rd. Dept., Salt Lake City, soon takes bids hard surfacing 0.8 mi. road near Ogden, Carbon Co., $30,000;

Streets and Roads (Continued)

concrete or bitulithic paving 1.5 mi. richfield-Elsimore Rd., Senier Co., $47,000, 1.5 mi. road near Salina City, Senier Co., $48,000; grading and gravel surfacing 11.2 mi. Castle Dale-Ferron Rd., Emory Co., $34,000, 7.1 mi. Moroni-Fountain Green Rd., Sanpete Co., $25,000; concrete or some hard surface 1 mi. road in city of Moroni, Sanpete Co., $35,000, 1 mi. in city of Fountain Green, Sanpete Co., $35,000; gravel surfacing 7.5 mi. Woodruff-Wyoming line Rd., Rich Co., $25,000. H. C. Means, state road engr.

Ariz., Phoenix—Plans 10,000 yd. paving, incl. 1 industrial street, 3rd, 4th and 5th Aves., Madison and Jackson Sts., warrenite, bitulithic, asphaltic concrete or concrete. $45,000. H. Read, city engr.

Ariz., Phoenix—Takes bids about Apr. 24, paving 20,000 yd. in Story tract, 7th and 9th Aves., Portland, Latham, Moreland, Culver and Willetta Sts. $65,000. Alternate bids on various types. H. Read, city engr.

Calif., Hanford—Had plans prepared grading, curbing, guttering and paving portion Center St., 23,090 sq.ft. 1½ in. warrenite on 4-in. asphaltic concrete, 26,600 sq.ft. grading, etc. B. Duffield, city engr.

Calif., Hayward — Had plans prepared concrete curbing, guttering and paving portions B St., 110,000 sq.ft. 3½ in. asphaltic concrete with 2 in. surface, etc. J. B. Holly, 505 17th St., Oakland, engr.

Calif., Los Angeles — Los Angeles Co. soon takes bids shaping roadbed, guttering and paving Los Angeles St., 12,444 sq.yd., willite, etc. To exceed $25,000.

Calif., Madera — Had plans prepared grading, curbing, guttering and paving West Yosemite Ave., 114,644 sq.ft. grading, 107,899 sq.ft. 1½ in. bitulithic on 2½ in. bituminous, etc., 6th and B Sts., 107,136 sq.ft. grading, 99,391 sq.ft. 1½ in. bitulithic on 2½ in. bituminous, etc. A. M. Acton, city engr.

Calif., Napa—Napa Co. had surveys made rebuilding 8 mi. Winters Rd. E. P. Ball, co. highway engr.

Calif., Oakland — Had plans prepared grading, curbing, guttering and paving 96th Ave., 116,950 sq.ft. oil macadam, 227,350 sq.ft. grading, 42,898 sq.ft. cement walks, etc. W. W. Harmon, city engr.

Calif., Oakland — Plans repaving East 14th St. $365,000. City to pay $100,000, Alameda Co. $150,000, and property owners abutting, balance. W. W. Harmon, city engr.

Calif., Palo Alto—Had plans prepared curbing, laying sidewalks and paving Churchill, Sequoia and Madrona Aves., etc., 250,000 sq.ft. 5-in. concrete, etc. J. F. Byxbee, Jr., city engr.

Calif., Sacramento — Soon takes bids grading, concrete curbing, guttering and paving 18th, 14th, 12th and 19th Sts., 735,441 sq.ft. 2 in. asphaltic concrete; 36th St. between Y and 5th Sts., 32nd St., 203,629 sq.ft. 5½ in. asphaltic concrete; 7th St., 42,708 sq.ft. 4 in. asphaltic concrete; Santa Ynez, 36th and H Sts., 2,250 sq.ft. 5½ in. and 48,078 sq.ft. 4 in. pavement, 16,850 sq.ft. walks; Gerber Ave., 800 sq.ft. 5½ in. and 23,520 sq.ft. 4 in. asphaltic concrete; alley between N. O. 23rd and 24th Sts., 19,200 sq.ft. 5 in. hydraulic concrete. A. Givan, city engr.

Calif., San Bruno — Having plans prepared grading, curbing, laying sewers and paving with asphaltic oil and screenings on waterbound macadam, Tucker, Linden, Acacia and Cypress Sts., etc. To exceed $25,000. G. A. Kneese, Courthouse, Redwood City, engr.

Calif., San Diego—See "Miscellaneous."

Calif., San Diego—Voted $100,000 bonds for street paving. F. A. Rhodes, city engr.

Calif., San Diego—Had plans prepared curbing and paving E St., 146,186 sq.ft. 1½ in. warrenite bitulithic on 2½ in. bituminous; grading, curbing, laying sidewalks and paving Elm St., 86,342 sq.ft. 1½ in. asphaltic concrete on 3 in. bituminous, Maryland St., 104,866 sq.ft. 1½ in. asphaltic concrete on 3 in. bituminous, etc. F. A. Rhodes, city engr.

Calif., Santa Rosa—Had plans prepared grading, curbing, guttering and paving Wilson St., 49,463 sq.ft. 1½ in. warrenite on 2½ in. bituminous concrete, A St., 43,708 sq.ft. 3 in. warrenite bitulithic, Davis St., 43,138 sq.ft. 3 in. warrenite bitulithic; grading and paving Cherry St., 44,327 sq.ft. 3 in. warrenite bitulithic. L. L. Mills, city engr.

Calif., Stockton—Had plans prepared grading, laying sidewalks and paving streets in City Park Terrace, 163,408 sq.ft. 2-in. asphaltic concrete on 3-in. crushed rock, etc. To exceed $50,000. W. B. Hogan, city engr.

Calif., Sunnyvale—Having plans prepared paving various streets, probably 1½-in. warrenite on asphaltic concrete, 260 ft. pavement 40 ft. wide, 260 ft. 18 ft. wide and 1,400 ft. 18 ft. wide. H. Fisher, Growers Bank Bldg., San Jose, engr.

Ont., Chatham—Plans 15,000 sq.yd. asphalt or concrete on Elizabeth, William, Water, Colborne, St. Claire and Barthe Sts., mostly 24 ft. $60,000. C. H. Fuller, city engr.

Ont., Elora—Making plans 1½ mi. concrete pavements, mostly 24 ft. $50,000. H. Clarke, city clk.

Ont., Hamilton—Wentworth Co. plans to expend $75,000 improving and repairing old roads and building new roads, mostly gravel and macadam. J. Vance, co. clk.

Ont., Hamilton — Plans to widen King William St. at James St., asphalt pavements, concrete sidewalks, $80,500. E. R. Gray, city engr.

Ont., Port Dalhousie—Lincoln Co. (St. Catherines) plans to pave ½ mi. Main St., here, 10,000 sq.yd. concrete. $32,000. J. Clench, co. clk.

Ont., Port Dover—Having plans prepared new macadam roads. $30,000. G. Marston, Simcoe, engr.

Ont., Toronto—Plans 24,300 sq.yd. asphalt pavements on Rose Park Dr., Wolverleigh, Avonlea and Milverton Blvds., Pullen, Westlake, Woodington, Ladykirk and Cannon Aves., 3,000 ft. concrete sidewalks on Hendrick and Bingham Aves., concrete curb on Pullen and Canon Aves., $119,257. R. C. Harris, city engr.

BIDS DESIRED

Vt., Bennington—Apr. 18, by President and Trustees of Bennington at office of Village Clerk, concrete paving, vitr. clay or concrete storm sewers, etc. H. E. Breed, 507 5th Ave., New York City, engr.; adv. this issue.

N. Y., Brooklyn—Apr. 11, by E. Riegelmann, boro pres., Boro Hall, asphalt paving Carroll, East 7th, East 17th, East 34th and East 55th Sts., Ave. I from East 26th St. to Nostrand Ave., Ave. I from Flatbush Ave. to Nostrand Ave., etc.; grading, curbing and flagging Ave. I from Flatbush to Nostrand Aves., laying sidewalks where not already laid on Flatbush Ave. west side; curbing and laying cement sidewalks on West 25th St.; cement sidewalks on West 32nd and West 37th Sts.

N. Y., Coney Island (Brooklyn P. O.)—Apr. 10, by Park Bd., Municipal Bldg., New York, concrete parking space, at Dreamland Park, here.

N. J., Freehold—Apr. 18, by Monmouth Co. reconstructing 1.44 mi. Sect. 3 Farmingdale-Manasquan Rd. 34, and 2.54 mi. Sect. 1 Atlantic Highlands-Hendrickson's Corner Rd. 58. B. B. Newcomb, dir.; adv. this issue.

N. J., Newton—Apr. 19, by Sussex Co., graveling Vernon-Glenwood Rd., Vernon Twp. H. Snook, co. engr.; adv. this issue.

Pa., Ebensburg—April 18, by Supervs. Susquehanna Twp., c/o Controller Cambria Co., 3.25 mi. vitr. brick on concrete on Route 62. $130,000. C. E. Schlicher, Spangler, engr.

Pa., Erie—Apr. 10, by City Council, 10 mi. asphalt pavements through city. F. G. Lynch, city engr.

Delaware—Apr. 18, by State Hy. Dept., Dover, 4.43 mi. Contr. C S 18, 4.583 mi. Contr. C S 19, 5.45 mi. Contr. C S 20; adv. this issue.

Maryland—Apr. 17, by State Roads Comn., Baltimore, building 4.3 mi. state highways, concrete, Contrs. M-38, Co.-27 and Wi-23, in Montgomery, Caroline and Wicomico Counties, gravel surfacing 2 mi. Contr. Ho-39, Howard Co. J. N. Mackall, chn.; adv. this issue.

Va., Charlottesville—Apr. 11, by Clerk Albermarle Co., paving 17,200 sq.yd. Heards Rd., bituminous macadam, etc.

Va., Chesterfield—Apr. 9, by Clerk Chesterfield Co., bituminous macadam paving 1.65 mi. Iron Bridge Rd., 16 ft.

N. C., Newton—Apr. 10, by S. J. Smyre, mayor, 25,000 sq.yd. hard surface on concrete, 30,000 sq.yd. one course concrete, 18,601 lin.ft. concrete curb and gutter, etc. Mees & Mees, Kinney Bldg., Charlotte, engrs.

S. C., Gaffney—Apr. 11, by Cherokee Co. Highway Comn., grading and topsoiling 8.11 mi. State Route 5, Federal Aid Project 147, 22,996 cu.yd. topsoil, etc.

Florida—April 17, by State Rd. Dept., Tallahassee, grading and surfacing 5.674 mi. Rd. 2, from Lake City south, Project 27 A, Columbia Co.; 6.886 mi. Rd. 2, from Project 27 A to Project 505, Project 27 B, Columbia Co.; alternate bids on bituminous macadam on 8 in. rock, sheet asphalt with binder course on 8 in. rock or 6-8-6 in. plain concrete. W. Cocke, state highway engr.

Florida—Apr. 17, by State Rd. Dept., Tallahassee, clearing, grading and surfacing 10.71 mi. Rd. 8, Project 562 B, Polk and Highlands Counties, bituminous macadam on 8 in. rock, sheet asphalt with binder course on 8 in. rock or 6-8-6 in. plain concrete. W. F. Cocke, state highway engr. Noted Dec. 28.

Florida—April 18, by State Rd. Dept. Tallahassee, surfacing with 8 in. rock 11.81 mi. Rd. 125, Project 534, Melbourne Co. W. F. Cocke, state highway engr.

Fla., Sanford—Apr. 23, paving 9,764 sq.yd. 2nd St. and Avocado Ave., $28,000; 10,371 sq.yd. 3rd St. from Sanford to Magnolia Sts. and from Oak to Avocado Sts., $35,000; 11,139 sq.yd. 13th and Laurel Sts., $40,000; 11,746 sq.yd. Central and Oak Sts., $40,000. Alternate types paving. F. T. Williams, Sanford, engr.

Louisiana—Apr. 10, by State Hy. Dept., Reymond Bldg., Baton Rouge, 21.13 mi. roads in Madison and Lincoln Parishes, also furnishing 15,483 cu.yd. washed gravel and 30,964 cu.yd. sand clay gravel, 40 per cent retained on ½ in. screen or as an alternate 46,447 cu.yd. sand clay gravel not less than 60 per cent stone retained on ¼ in. screen.

Louisiana—Apr. 17, by State Hy. Dept., Reymond Bldg., Baton Rouge, 12.5 mi. road in Plaquemine Parish, also furnishing 29,500 cu.yd. clam shells or 20,550 cu.yd. clam shells and 5,900 cu.yd. washed gravel. J. M. Fourmy, ch. engr.

Kentucky—Apr. 20, by State Hy. Comn., Frankfort, cleaning surface, applying bituminous material and spreading covering material in Boyle, Fayette, Mercer, Woodford and Montgomery Counties, 198,362 sq.yd. cleaning surface, 5,600 gal. medium tar, 38,100 gal. heavy oil or medium tar, 1,401 tons stone chips or pea gravel; in Garrard, Jessamine, Madison and Estill Counties, 263,236 sq.yd. cleaning surface, 34,000 gal. heavy oil, 16,000 gal. light tar, 8,000 gal. medium tar, 19,650 gal. heavy oil or medium tar, 2,185 tons stone chips or pea gravel; in Shelby, Scott, Henry and Oldham Counties, 195,946 sq.yd. cleaning surface, 33,000 gal. light tar, 45,600 gal. heavy oil, 1,838 tons stone chips or pea gravel; in Pulaski, Lincoln, Rockcastle and Bell Counties, 312,300 sq.yd. cleaning surface, 16,000 gal. medium tar, 62,000 gal. heavy oil, 2,884 tons stone chips or pea gravel; in Nelson and Marion Counties, 90,345 sq.yd. cleaning surface, 8,000 gal. light tar, 5,100 gal. medium tar, 14,000 gal. heavy oil, 710 tons stone chips or pea gravel; in Bracken, Pendleton and Bourbon Counties, 413,068 sq.yd. cleaning surface, 43,590 gal. medium tar, 50,630 gal. heavy oil, 2,884 tons stone chips or pea gravel. J. S. Boggs, state highway engr.

O., Akron—Apr. 16, by S. Porter, clk. Summit Co., 12,000 sq.yd. 5 in. bituminous macadam on concrete on Hammond Corners Ira Rd. 46, Sect. A-2, $38,216; grading and paving Akron-Northampton Rd. 27, Sect. A-1, 6,000 sq.yd. brick on concrete and 8,000 sq.yd. gravel, $50,126. J. Weaver, Court House, engr. Noted Jan. 25.

O., Cleveland—Apr. 11, paving Beyerle Rd. S.E., Grovewood Ave. N.E., Idarose Ave. N.E., Jesse Ave. S.E., Sylvia Ave. N.E., East 105th, East 116th, East 121st, East 127th and East 131st Sts. $200,000. R. Hoffman, City Hall, engr.

Michigan—April 13, by State Hy. Dept. Lansing, gravel surfacing 2.813 mi. road in Kalamazoo and Calhoun Counties, 20,180 cu.yd. excav., 19,794 sq.yd. gravel. F. F. Rogers, state comr.

Ind., Evansville—Apr. 13, by Auditor Vanderburgh Co., paving Evansville and Princeton Rds., 23,525 sq.yd. concrete on concrete, $65,451. R. W. Meissinger. Evansville, engr.

Ind., Hammond—Apr. 13, by Auditor Lake Co., grading and graveling 2.95 mi. Fred Schlueter Rd., 18 ft. $28,500. R. Seely, Hammond, engr.

Ind., Indianapolis—Apr. 13, by Auditor Marion Co., grading and graveling 3.1 mi. Charles Harting Rd., 16 ft. $25,836. J. J. Griffith, Indianapolis, engr.

Ind., Petersburg — Apr. 19, by town, 50,000 yd. paving, brick, sheet asphalt, asphaltic concrete or concrete. $210,000. H. T. Watts, Vincennes, engr.

Ind., Terre Haute—Apr. 13, by Auditor Vigo Co., paving Doveland Rd., 25,956 sq.yd. concrete on concrete. $77,800. G. Grimes, Terre Haute, engr.

Ind., Valparaiso—Apr. 13, by Auditor Porter Co., grading and graveling 2.508 mi. County Unit Rd., 30 ft. $28,400. F. R. McNeice, Valparaiso, engr.

Illinois—Apr. 20, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, 33.83 mi. paving, 18 ft., alternate bids on portland cement concrete, monolithic brick, bituminous filled brick, and bituminous concrete with or without binder course; also 2 rein.-con. bridges. C. Older, ch. highway engr.

Ill., Elmhurst—Apr. 9 paving various streets. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Streets and Roads (Continued)

Ill., Harvey—Apr. 20, paving alleys in Block 69, concrete, and Central Ave. from 155th St. to Park Ave., asphalt. $27,400. A. W. Hersey, city engr.

Ill., Villa Park—Apr. 9 paving various streets. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Dec. 28.

Ill., Waukegan—Apr. 11 at office C. E. Russell, supt. Waukegan Co. highways, grading and concrete paving Sects. X Highway-Halfday Rd., Sect. 28 Hainesville-Round Lake Rd., and Sect. 27 Green Bay Rd., State Aid 15-D, 44,573 cu.yd. excav. and 96,222 sq.yd. concrete.

Wis., Eau Claire—Apr. 10, by Eau Claire Co. Road and Bridge Com. shale surfacing, etc., 11,500 ft. roads in towns of Seymour, Ludington and Pleasant Valley; 3,891 cu.yd. earth excav., town Wilson; concrete and steel bridges in towns Bridge Creek, Hanke and Clear Creek. G. Osborn, comr.

Wis., Green Bay—April 13, paving Cedar, Dousman, Madison, South Chestnut and North Maple Sts., Irwin, 12th and 13th Aves. and alleys, 38,800 sq.yd. creosoted blocks, brick or sandstone, or 46,823 sq.yd. rein.-con. or vibrolithic, etc. A. E. Kringel, City Hall, engr.

Wis., Monroe—Apr. 12, by Green Co. State Road and Bridge Com., grading, surfacing and bridging Monticello-Argyle Rd., 3,972 cu.yd. crushed rock; York Church, Broadhead-Monroe, Monroe-Browntown and Browntown-Dill Rds., 142,540 sq.yd. concrete. C. J. Smith, comr.

Wis., Shawano—April 11, paving 15,065 sq.yd. on Andrews, Center, Richmond and Franklin Sts., 1 or 2 course rein.-con. or asphalt; 21,850 sq.yd. resurfacing Main St., sheet asphalt. $35,000. J. Donohue & Co., 608 North 8th St. Sheboygan, engr. Noted March 29.

Wis., Two Rivers—Apr. 13, by H. R. Gowan, clk., paving 9,652 sq.yd. Washington St., 1 or 2 course concrete, 2,000 lin.ft. concrete curb and gutter. $25,000. D. H. Ames, City Hall, engr.

Wis., Watertown—April 14, by Bd. Pub. Wks., paving 13,089 sq.yd. Milwaukee, West Milwaukee, Milford and North 6th Sts., 6,657 sq.yd. state aid portion North Church St., both rein.-con. or vibrolithic concrete. A. Kraeft, City Hall, engr.

Wis., West Bend—Apr. 17, by Washington Co. State Road and Bridge Com., 45,900 sq.yd. concrete paving, etc., Allenton-West Bend-Newburg Rd. C. A. Distelhorst, co. highway engr.

Ia., Cherokee—Apr. 10, by Auditor Cherokee Co., gravel surfacing 20.5 mi. road. Iowa Hy. Comn., Ames, engrs.

Ia., Jesup—Apr. 9, 13,340 sq.yd. pavement, 8,014 cu.yd. excav., 13,629 lin.ft. curb. $55,000. M. Tschirgi & Sons, 712 Amer. Trust Bldg., Cedar Rapids, engrs.

Minn., Crookston—Apr. 25, by H. J. Welte, aud. Polk Co., Job 2301, 60,000 cu. yd. excav.; Job 2302, 50,450 cu.yd. excav., 3 bridges. $32,000. E. H. Harding, Crookston, engr.

Minn., Litchfield—Apr. 11, by J. A. Simonson, aud. Meeker Co., 5.5 mi. Job 2301 and 8.5 mi. Job 2303, State Rd. 14, 98,739 cu.yd. excav., 197,602 cu.yd. overhaul, etc.; graveling 6.5 mi. Job 2304, State Rd. 8. $33,000.

Kan., Atchison—May 1, by Comrs. Atchison Co., grading 3.335 mi. King of Trails Rd., Federal Aid Project 112, 29½ ft. $30,000. R. D. Coleman, co. engr. Noted Mar. 22.

Kan., Cherryvale—Apr. 9, paving 7,625 sq.yd. various streets, brick or asphaltic concrete. F. E. Devlin, Sedgwick Bldg., Wichita, consult. engr.

Kan., St. Francis—Apr. 26, by Comrs. Cheyenne Co., grading 14.067 mi. Kansas City-Denver Air Line Rd., 28 ft., 115,000 cu.yd. excav., three 35 ft. span deck girder bridge. $70,000. Noted Mar. 15.

Kan., Seneca—Apr. 25, by Comrs. Nemaha Co., earthwork 6.226 mi. Capitol Highway, Federal Aid Project 152, Sect. A, 27½ ft., 62,000 cu.yd. earth and 636 cu.yd. rock excav., two 35 ft. deck girder bridge. $60,000. L. P. Price, Seneca, engr. Noted Feb. 15.

Kan., Wellington—Apr. 27, by Sumner Co. paving 89,230 sq.yd. Federal Aid Project 35 D, E, $300,000; 16,591 sq.yd. in city South Haven, $40,000; both will concrete, brick, bituminous concrete or bituminous macadam. J. W. Mavity, co. engr.

Colo., Denver—Apr. 12, by Dept. Impvts. and Parks, asphaltic paving 11 blocks Washington Park Paving Dist. 1. $31,770. A. K. Vickery, City Hall, engr.

Idaho—Apr. 14, by State Highway Engineer, at Wallace, grading 3.4 mi. Federal Aid Project 64-B, Shoshone Co., mostly heavy rock work. $63,000. C. D. Olson, Boise, dir. highways.

Nevada—Apr. 18, by State Hy. Comn., Carson City, grading and concrete paving 1.22 mi. from west to east city limits of Fallon, Churchill Co., 1,900 cu.yd. excav., 22,788 yd. sta. overhaul, 12,890 sq.yd. cement concrete pavement, etc. State furnishes cement. G. W. Borden, state highway engr.

Washington—Apr. 17, by State Hy. Comn., Olympia, clearing and crushed rock surfacing 6.9 mi. Inland Empire Highway from Colville to Meyers Falls; concrete paving 3.07 mi. Sunset Highway from Wenatchee Bridge north; 4.78 mi. Pacific Highway from Neals to Toledo. Noted Mar. 15.

Washington—May 1, by J. Allen, state highway engr., Olympia, grading and surfacing with crushed gravel 6 mi. Chelan-Okanogan Highway from Riverside to Omak. G. G. Harvey, Realty Bldg., Spokane, dist. highway engr. Noted Mar. 15.

Wash., Olympia—Apr. 16, by Thurston Co., scarifying and bringing up to grade 6,780 ft. roadway, building 165 ft. wooden bridge, 106 ft. truss, 300 cu.yd. graveling, etc. on Olympia-Little Rock Rd. F. A. Weir, Olympia, engr.

Calif., Los Angeles—Supervs. Los Angeles Co., receiving bids grading, curbing, laying sidewalks and paving Ocean Ave., 10,235 cu.yd. excav., 17,953 lin.ft. concrete curb, 180,525 sq.ft. 5 in. concrete, etc. To exceed $50,000.

Calif., Martinez—City Trustees receiving bids grading, curbing, guttering and paving portions Mason, Castro, Warren and Arreba Sts., etc., 251,453 sq.ft. grading, 110,265 ft. 2 in. warrenite on 3 in. asphaltic concrete, 103,842 sq.ft. 1½ in. warrenite on 3 in. asphaltic concrete, etc. B. H. Green, city engr.

Calif., Redwood City—Apr. 16, by San Mateo Co., grading and surfacing portion Harrison Ave., 50,525 sq.ft. grading, 33,885 sq.ft. 6 in. waterbound macadam with oil and screenings surface. G. A. Kneese, co. surv.

Calif., Sacramento—Receiving bids curbing, guttering, grading and paving T St., 206,240 sq.ft. 2 in. asphaltic concrete, etc. A. Givan, city engr.

Calif., San Diego—Apr. 16, by A. H. Wright, city clk., paving Eagle St., 83,544 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous, etc.; 8th and A Sts., 91,645 sq.ft. 1½ in. asphaltic concrete on 2½ 94,645 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous, etc.; Goldsmith and Evergreen Sts., 101,779 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous. F. A. Rhodes, city engr. Noted Mar. 8.

BIDS RECEIVED

S. C., York—York Co., grading, curbing, guttering and paving 2.82 mi. State Route 7, from Catawba River to city limits of Fort Mill, (a) asphaltic concrete (b) sheet asphalt, from General Road Drainage & Constr. Co., Liberty Bank Bldg., Columbia, (a) $107,812 (b) $115,433; Slattery & Henery, Greenville, (a) $111,691 (b) $115,959; Carolina Constr. Co., Stanley, N. C., (a) $118,284 (b) $122,856. Noted Mar. 15.

O., Akron—S. Porter, clk. Summit Co., Mar. 29, paving (1) 2.64 mi. Vaughn Twinsburg Rd., 16 ft., 22,500 cu.yd. earth excav., 26,750 sq.yd. bituminous macadam on waterbound macadam, engrs. est. $82,875, grading and paving (2) 1.069 mi. South Main St. Rd. 50, Sect. C-1, 11,300 lin. ft. 2x6 in. concrete curb, 8,500 cu.yd. earth excav., 9,725 sq.yd. bituminous concrete, 10,350 sq.yd. 6 in. concrete base, engrs. est. $46,355 (3) 1.31 mi. Granger Ghent Rd. 79, Sect. A-2, 16 ft. 7,650 cu.yd. earth excav., 12,700 sq.yd. 2 in. bituminous concrete on 6 in. concrete, engrs. est. $46,865, from Mahoning Constr. Co., Warren (1) $67,435; Kahl Bros. Constr. Co., 13,004 Woodland Ave., Cleveland, (1) $72,685; A. F. Wible, 859 Chalker St., (1) $75,703; T. E. McShaffrey Constr. Co., 171 Forge St., (2) $38,748 (3) $50,575; W. P. McCourt Constr. Co., Akron (street address not available) (2) $40,663. Noted Mar. 22.

O., Cincinnati—Hamilton Co., Mar. 23, grading and bituminous macadam paving 9,300 ft. Blue Ash Rd., 20 ft., from J. S. Slone, 2312 Mound St., Norwood, $32,514; O. E. Radabaugh, Hazelwood, $34,278; W. P. Flynn, 1252 Chase Ave., $34,398. Noted Mar. 15.

O., Cleveland—Cuyahoga Co., Court House, Mar. 21, paving Noble Rd., 24,660 lin. ft. stone curb and 4 in. sewer pipe gutter, 24,400 cu.yd. earth excav., 9,800 cu.yd. concrete base, 39,400 sq.yd. vitr. brick, asphalt, engrs. est. (c) brick $311,877 (d) asphalt $305,463, from Gould & Maybach, 825 East 150th St., (c) $305,117 (d) $295,039, Rieley Bros., The Arcade, (c) $311,245 (d) $304,301, Cleveland Trinidad Paving Co., The Arcade, (d) $296,646, Freshwater Constr. Co., National Bldg., (c) $311,798. Noted Mar. 15.

Wisconsin—State Hy. Comn., Madison, improving Arcadia-Independence Rd., Trempealeau Co., from E. G. Bingham, Arcadia, 16,204 cu.yd. earth excav. $0.33, 2,652 cu. yd. borrow $0.38, 7,700 cu.yd. shale surfacing $1.03, etc., total $26,493.

Wis., Port Washington—Ozaukee Co. Road and Bridge Com., Port Washington-Cedar Grove Rd., (1) 11,790 cu.yd. earth excav. (2) 31,400 sq.yd. concrete surfacing, etc., from J. Ubbink & Sons, Port Washington, (1) $0.85, (2) $1.53, etc., total $68,743; F. Doherty Co., 753 47th St., Milwaukee, (1) $0.78 (2) $1.64, etc., total $72,884; Schaefer & Thompson, Marshfield, (1) $0.87 (2) $1.62, etc., total $74,171. Noted March 8.

Ia., Clinton—To McCarthy Improvement Co., 802 Kahl Bldg., Davenport, grading, curbing and paving Sects. A, B, C, D, E, F, G, H, and J, 78,691 sq.yd. 3 in. sheet asphalt on 5 in. concrete, etc., total $338,082; Spetman & Boyne, Council Bluffs, Sects. L and M, 27,593 lin. ft. concrete curb and gutter, etc. $33,996. Noted March 15.

Mo., St. Louis—Bd. Pub. Serv., City Hall, Mar. 27, repaving (1) Washington Blvd., 2,295 sq.yd. asphalt, engrs. est. $6,440 (2) Westminster Pl., 4,675 sq.yd. asphalt, $13,500 (3) McPherson Ave., 3,275 sq.yd. asphalt, $9,100 (4) Shaw Ave., 6,820 sq.yd. asphalt, $28,400 (5) Leonard Ave., 7,975 sq.yd. asphalt, $19,400 (6) Brannon Ave., 945 sq.yd. bitulithic, $4,600 (7) Neosho St., 1,620 sq.yd. bitulithic, $7,500 (8) Kingsbury Pl., 2,640 sq.yd. bitulithic, $6,050 (9) Page Blvd., 13,585 sq.yd. bitulithic, $30,800 (10) Wilmington Ave., 3,860 sq.yd. brick, $21,350 (11) Glasgow Ave., 1,275 sq.yd. brick, $8,000 (12) Blaze Ave., 1,585 sq.yd. concrete, $6,900, from Bridges Asphalt Paving Co., Arcade Bldg., (1) $5,395 (2) $10,695 (3) $7,223 (4) $23,663 (5) $18,423; W. Fuller, 812 Chestnut St., (1) $5,455 (2) $10,841 (3) $7,282 (5) $18,453; O. S. Brighton, 4115 McRee St., (1) $6,310 (2) $12,588 (3) $8,506 (4) $26,016 (5) $17,649 (6) $4,430 (7) $8,324 (8) $7,628 (9) $36,462; Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., (4) $26,256; Granite Bituminous Paving Co., Ry. Exch. Bldg., (6) $4,385 (7) $7,949 (8) $7,397 (9) $35,601; Alzina Constr. Co., Arcade Bldg., (10) $23,355 (11) $8,824; G. Eyermann & Bros., 1216 South Grand St., (10) $23,551; J. E. Perkinson, 3237 Carter Ave., (10) $24,073 (11) $8,727 (12) $8,395; Skrainka Constr. Co., Security Bldg., (11) $9,240 (12) $8,837; F. A. Stiers, 4500 Enright Ave., (12) $8,919. Noted Mar. 8.

Wash., Seattle—Grading and paving 9th Ave. S., et al., (Beacon Hill regrade project), 23,050 sq.yd. 8 in. concrete, 6,950 lin.ft. concrete and 950 lin.ft. asphaltic concrete curbing, 750,000 cu.yd. earth excav., 4444 ft. 12-30 in. sewer pipe, (a) with concrete pipe, (b) with clay pipe engrs. est. $500,000, from Puget Sound Bridge & Dredging Co., Central Bldg., (a) $494,968 (b) $496,623; Independent Asphalt Paving Co., Seaboard Bldg., (a) $512,170 (b) $512,394; F. McLellan, Lyon Bldg., (a) $529,083 (b) $529,083; grading Golf Heights City Property, 646,000 cu.yd. earth excav., from Puget Sound Bridge and Dredging Co., Central Bldg., $0.109 total $74,464; F. McLellan, Lyon Bldg., $0.113 $77,263; H. Pederson, Alaska Bldg., $0.114, $77,694. Noted Mar. 22.

Calif., Hanford—Grading, curbing, guttering and paving West 6th St., etc., 168,000 sq.ft. grading, 155,400 ft. 1½ in. warrenite on 4 in. bituminous, etc., from California Constr. Co., 58 2nd St., San Francisco, $51,555; Thompson Bros., Divisadero and G Sts., Fresno, $53,828; W. F. Hanrahan, Call Bldg., San Francisco, $54,341. Noted Mar. 29.

Calif., San Diego—Common Council improving (1) A St. between 24th and 25th Sts., and C St. between 19th and 25th Sts. (a) 145,883 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous (2) A St. between 4th St. and Kettner Blvd. and 2nd St. between A and B Sts., (b) 119,764 sq.ft. 2 in. asphalt, 1 in. binder on 4 in. concrete (c) 2,264 sq.ft. concrete sidewalk, etc., from California Constr. Co., Union Bldg., (1a) $0.179 (2b) $0.2773 (2c) $0.22; G. R. Daley, 4430 Boundary St., (1a) $0.19 (2b) $0.294 (2c) $0.22; Griffith Co., 25 14th St., (1a) $0.20 (2b) $0.27 (2c) $0.23. Noted Mar. 8.

Calif., San Rafael—Surfacing various streets, 279,000 sq.ft. 2 in. asphaltic concrete, 90,000 sq.ft. asphalt macadam, from Raisch Impvt. Co., 46 Kearny St., San Francisco, $37,440; A. J. Grier, 480 Chetwood St., Oakland, $48,870; S. P. Brownlee, San Rafael, $55,520. Noted Mar. 15.

Calif., Santa Rosa—Grading, reshaping, curbing, guttering and paving with 1½ in. warrenite bitulithic on 2½ in. bituminous concrete, portions Benton, North and 5th Sts., etc., from Warren Constr. Co., Bacon Bldg., Oakland, $54,665. Noted Mar. 15.

Streets and Roads (Continued)

CONTRACTS AWARDED

N. Y., Albany — Bd. Contr. & Supply, paving Madison Ave., dressed granite blocks on cement, to M. F. Dollard, 36 State St., $355,580. Noted Mar. 29.

N. Y., Binghamton — Broome Co. will pave 1¾ mi. highway in town of Barker, macadam top; 1 mi. in Binghamton, bituminous macadam; 15¼ mi. in Chenango, Colesville, Conklin, Union Vestal, Windsor, Sanford, Triangle, Fenton, Kirkwood and Lisle, all foregoing bituminous macadam top; 1 mi. in Maine, gravel macadam, by day labor under supervision of H. A. Williams, co. supt. $143,863. Noted Mar. 15.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to E. J. Galway, 676 9th Ave., New York, granite paving Dumont Ave. $1,616; to Uvalde Asphalt Paving Co., 1 Bway., New York, asphalt paving Tapscott Pl. $18,545, grading curbing and asphalt paving East 9th St. $16,348, Foster Ave. $8,855, Glenwood Rd. $15,537, 17th Ave. $3,796; to Borough Asphalt Co., 1301 Metropolitan Ave., Delamere Pl. $8,689, 66th St. $7,933, 82nd St. $6,990; to Castle Bros., Inc., Johnson Pl., grading, curbing and flagging New Utrecht Ave. $9,523; to L. Mangeri, 190 31st St., Parrott Pl. $3,707; to F. Persicano, 350 Fulton St., curbing and flagging 66th St. $1,679. Noted Mar. 8 and 22.

N. Y., Elmira—G. W. Jarchow city clk., paving East Miller St., rein.-con., to E. McGreevey, 450 West 2nd St., $41,878; Railroad Ave. and West 3rd St., rein.-con., to Connors & McGreevey, $33,879; College Ave., warrenite bitulithic, to Lowman Constr. Co., 312 Railroad Ave., $16,268; Maple Ave., brick, and resurfacing South Main St., warrenite bitulithic, to Holleran Bros., 901 Linden Pl., $15,014 and $36,138 respectively. Noted Mar. 22.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to E. Block, Woodhaven, curbing and laying sidewalks, etc., on Crescent St., $6,859, Hallett St., $9,347, grading, sidewalks, crosswalks, etc., on Sackett St. $1,851, grading, curbing and laying sidewalks on Sherwood Ave. $4,386, 156th St. $5,192; to F. J. Clancy, Corona, 44th St. $9,175; to J. J. O'Brien, Jr., William St., Jamaica, 80th St. $7,848; to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, paving 80th St. $17,058; to Kennedy & Smith, Inc., 93 Amity St., Flushing, sewers in Winslow Pl. $1,612, Vandeventer Ave. $2,389; to Peace Bros., Inc., 57 North Laurence St., Flushing, sewer in Madison St. $2,180; to J. Gallo, 203 Division St., Brooklyn, sewer in Tiemann Ave. $1,155, Rockaway Blvd. $1,226; to D. A. Gross, 895 Fulton St., Woodhaven, sewer in Grand St. $5,639. Noted Mar. 29.

N. Y., Mayville — S. E. Fitch, supt. Chautauqua Co., Jamestown, constructing 1.016 mi. Gerry-Barmore Corners Rd., 16 ft., to G. B. Taylor, Jamestown (street address not available) $27,021; 2.77 mi. Chautauqua-Stedman Rd., 16 ft., to E. J. Bailey, Brocton, $73,953, both dual type concrete. Noted Mar. 22.

Pa., Scranton—Asphalt pavements on 4th, Myrtle and Richmont Sts., to M. Stipp & Son, 1015 North Main St., $83,816; Orchard St., Page Pl., Evans, Kirst and Buenzil Courts, Sherman and Grandview Aves., to Sweeney Bros., Miller Bldg., $70,650; Margaret Ave., to Reese & O'Brien, Scranton, $16,534. Noted Mar. 15.

Pa., Washington—Washington Co., paving 3,400 ft. Malden Rd., 16 ft., to T. Cronin Co., South 18th St., Pittsburgh, $29,493. Noted Mar. 8.

Va., Emporia — Paving with warrenite bitulithic 35,000 sq.yd. various streets, to R. G. Lassiter Co., Oxford, N. C., $98,500.

W. Va., Wheeling — Ohio Co., concrete paving 6,100 ft. Greeksville, Clinton and Potomac Rd., 16 ft., Richland Dist., to B. H. Stringer Co., Wheeling, (street address not available), $63,831.

N. C., Burlington — Curbing, guttering and paving with asphalt on concrete, to McGuire & Rofe, Virginia Ry. & Power Bldg., Richmond, Va., $80,000. Noted Mar. 8.

S. C., Camden—For 100,000 sq. yd. asphalt, to Southern Paving Co., Camden, $300,000.

Florida—State Hy. Dept., Tallahassee, grading and concrete surfacing 5 mi. road from Nunez Ferry to Pensacola, Escambia Co., to Hancock Bros., Mobile, Ala., $138,556; bituminous macadam surfacing 3.976 mi. road between Bradentown and Sarasota Co. line, Manatee Co., to J. F. Morgan Paving Co., Woodward Bldg., Birmingham, Ala., $154,584. Noted Feb. 22.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading and pacing 4.011 mi. Sect. "A" Pomeroy-Marietta Rd., Athens Co., brick, to Harness Renick, Williamsport, $197,388; 2.484 mi. Sect. "O-1" Cincinnati-Zanesville Rd. and 2.767 mi. Sect. "O-2" of same road, both Fairfield Co., rein.-con., to Radebaugh-Graham Co., Columbus (street address not available) $86,256 and $95,162 respectively; 2.274 mi. Sect. "E-2" Cincinnati-Zanesville Rd., Fairfield Co., brick, to F. E. Milligan, Sidney, $76,714. Noted Mar. 1.

O., Cleveland — Grading, curbing and paving East 129th St. and Argus Ave., vitr. brick, to Gould & Maybach, 823 East 150th St., $5,308 and $24,102 respectively; Hlavin and Hoy Aves., vitr. brick, to A. M. Pejsa Paving Co., 3161 East Derbyshire Rd., Cleveland Heights, $12,120 and $11,679 respectively; Carnegie Ave., West 116th and West 115th Sts., asphalt, to Cleveland Trinidad Paving Co., The Arcade, $89,040, $13,442 and $9,651 respectively; West 71st St., brick, to Baldwin Bros., 4500 Euclid Ave., $9,835; West 48th St., Spring and Valley Rds., vitr. brick, to Roehl Bros., West 25th St. and Clark Ave., $28,561, $64,173 and $54,512 respectively. Noted Mar. 1.

O., Cleveland—Paving Central Ave., granite block, to Rieley Bros., The Arcade, $185,309; Stardale Court, vitr. brick, to M. P. Platten, Engineers Bldg., $2,826; West 47th St., Tyler Court and Unity Ave., vitr. brick, to Roehl Bros., West 25th St. and Clark Ave., $28,553, $8,023 and $12,312 respectively; Beyerle Pl., vitr. brick, to Enterprise Paving & Constr. Co., 8444 Bway., $3,266; Lamontier Ave., concrete, to Bentley Bros., Union Bldg., $53,250. Noted Mar. 29.

O., Cleveland — Cuyahoga Co. paving Clague Rd. 3, 13,400 lin.ft. 4 in. sewer gutter, 5,300 cu.yd. earth excav., 12,800 sq.yd. concrete on concrete, to Presgrave Bros. & Burke, 4290 East 131st St., $53,466. Engrs. est. $56,006. Noted Mar. 15.

Michigan — State Hy. Dept., Lansing, grading and gravel surfacing 3.726 mi. road in Ionia and Clinton Counties, 34,757 sq.yd. gravel, 23,090 cu.yd. excav., to C. W. McCreery, Ovid, $35,442. Noted Mar. 22.

Wis., Jefferson—Jefferson Co. State Road and Bridge Com., Ixonia-Watertown Rd., to McGucken Constr. Co., 425 East Water St., Milwaukee, 21,138 cu.yd. earth excav. $0.74, 48,060 sq.yd. concrete surfacing $1.33, etc., total $95,789; Whitewater-Ft. Atkinson Rd., to J. P. Connell, Janesville, (street address not available), 26,555 cu.yd. earth excav. $0.72, 78,161 sq.yd. concrete surfacing $1.30, etc., $140,670; Ft. Atkinson-Cambridge Rd., to F. Doherty, 753 47th St., Milwaukee, 48,133 cu.yd. earth excav. $0.78, 107,808 sq.yd. concrete surfacing $1.07, etc., total $191,110. Noted Mar. 15.

Wis., La Crosse—Brick paving 25,000 sq. yd. various streets, to T. E. Woolley, 148 West Ave., S., $104,837.

Ia., Des Moines—Grading, etc., on 15 mi. Mitchellville-Farrar Rd. and Polk City-Shedahl Rds., to C. O. Mitchell, 2414 Southwest 10th St., 34,681 cu.yd. excav. $0.26, 54,000 cu.yd. $0.255 and 38,000 cu. yd. $0.239; C. Lausten, Nevada, 7,100 ft. 6 in. tile $0.124 per ft., 2,600 ft. 8 in. $0.17, etc. Noted Mar. 15.

Ia., Lamoni — Grading and paving to Cook & Stucker, Ottawa, Kan., 5,037 cu.yd. excav. $0.80, 16,310 sq.yd. vitr. brick, 5 in. base $3.45, 7,140 lin.ft. curb and gutter $1.10, etc., total $71,650. Noted Mar. 1.

Ia., Storm Lake—For 67,000 sq.yd. Class B concrete pavement and 55,000 lin.ft. concrete curb, to Moore-Young Constr. Co., Waterloo, $2.59 per sq.yd. and $0.72 per lin.ft. Noted Feb. 1.

Minn., Duluth—Paving 8th St. from 10th to 14th Aves., 5,230 sq.yd. concrete, to Nelson & Shipman, 1014 East 6th St., $23,731. Noted Feb. 8.

Minn., Granite Falls — Yellow Medicine Co., Job 2301, State Rd. 9, 97,000 cu.yd. earth and 3,000 cu.yd. loose rock excav., 160,000 cu.yd. overhaul; Job 2302 State Rd. 9, 15,000 cu.yd. earth excav., 24,000 cu.yd. overhaul, to A. B. Halvorson, Montevideo, $39,920. Noted Mar. 8.

Minn., Lakefield—For 15,284 sq.yd. vibrolithic, 1,980 lin.ft. concrete curb and gutter, 38,000 lb. reinforcing, 520 lin.ft. 18 in. and 700 lin.ft. 16 in. drain, to Hanlon & Okes, 338 Lumber Exch. Bldg., Minneapolis, $48,000. Noted Mar. 1.

Kan., Oberlin—For 11,378 sq.yd. 3-in. vitr. brick, etc., to Geiger & Rutherford, Leavenworth (street address not available) pavement $2.80, excav. $0.65, double gutter $1.10, etc., total $44,698. Noted Nov. 16.

Neb., York—Grading, curbing, guttering, laying sidewalks and vitr. brick paving Dist. 1, to Roberts Constr. Co., 404-5 1st Natl. Bldg., Lincoln, $73,450.

S. D., Sioux Falls—Grading and paving 6 streets incl. 35,000 sq.yd. concrete, to C. H. Atkinson Co., Western Surety Bldg., $95,000, 2 streets incl. 5,000 sq.yd. concrete, to S. L. Norlin, 210 French Ave., $14,500. Noted Mar. 15.

Okla., Barnsdall—Grading, concrete curb, guttering and paving Main and 5th Sts., 8,600 sq.yd. vertical fibre brick, etc., to Reinhart & Donevan, Trades Natl. Bank Bldg., Oklahoma City, $41,547. Noted Mar. 22.

Tex., Corpus Christi—Nueces Co. surfacing with 1 in. cold natural rock asphalt topping 10.97 mi. Corpus Christi-Robstown Highway, and 11.17 mi. State Highway 12, to Smith Bros., 308 Sumpter Bldg., Dallas, $332,707. Noted Mar. 8.

Tex., Eldorado—Schleicher Co., grading, gravel surfacing on crushed stone and bituminous topping 9.86 mi. State Highway 4, 16 ft., to Rice & Bates, Austin (street address not available), $112,617. Noted Mar. 1.

Colorado — State Hy. Dept., Denver, gravel surfacing 6.86 mi. road, Federal Aid Project 168 B, Prowers Co., to Standard Eng. Co., 518 E & Bldg., Denver, $41,984, engrs. est. $52,123; gravel surfacing and bridging 0.454 mi. road, Federal Aid Project 231, Pueblo Co., to A. O. McCormick & Voss, 552 South Penn Ave., Denver, $23,088, engrs. est. $26,133. Noted Mar. 15.

Wash., Seattle—Grading etc. 26th Ave. N. E., to D. H. Traphagen, Walker Bldg., $31,473. Engrs. est. $32,061. Noted Mar. 29.

Calif., San Diego—Curbing, guttering and concrete paving Silverado St., Ivanhoe Ave. and Torrey Rd., to G. R. Daley, 4430 Boundary St., $49,905. Noted Mar. 22.

Calif., Santa Barbara—Grading, paving with asphaltic concrete on 5 in. concrete, and laying 6 in. sewers in portion Islay St., to A. L. Pendola, 1709 Chapala St., $40,050.

Calif., Whittier — Grading, curbing, laying sidewalks and paving with 6 in. concrete, Pickering Ave., to E. Johnson, 268 South Coronado Ave., Los Angeles, $54,481; Howard Ave., to Independent Paving Co., 321 East 4th St., Long Beach, $12,415. Noted Mar. 15.

Ontario—Dept. Pub. Highways, 110 University Ave., concrete pavements, 5.6 mi. Contr. 794 to McNamara Bros. & Thornton, 23 Scott St., Toronto, 7.1 mi. Contr. 795 to C. Bergmann, Waterloo, 0.9 mi. Contr. 796 and 860, to D. O. Johnston, 43 Market St., Brantford, total est. $275,000; asphaltic concrete pavements, 13.2 mi. Contr. 797 and 921, to Dufferin Constr. Co., Ltd., 210 Victoria St., Toronto, 10.1 mi. Contr. 863 and 948, to Brennan Paving Co., Melrose Ave., Toronto, 7.2 mi. Contr. 864 and 918, to Provincial Paving Co., 24 Adelaide St. W., Toronto, 2.4 mi. Contr. 798 to Standard Paving Co., Central Chambers, Ottawa, 5.1 mi. Contr. 897, to D. O. Johnston, 43 Market St., Brantford, total $1,800,000; bituminous penetration pavements 5.7 mi. Contr. 908, to Dufferin Constr. Co., Ltd., 210 Victoria St., Toronto, $175,000; macadam roadway 1¼ mi. Contr. 799, to W. H. Patterson, 211 Dufferin St., Belleville, $20,000; surface treatment of macadam roads with tar, 28.7 mi. Contr. 816, 817 and 818, to W. B. Huber, Toronto, (street address not available) $45,000. Noted Jan. 18.

Industrial Works

PROPOSED WORK

Mass., Boston—Pub. Buildings Dept., 504 City Hall, plans municipal service and repair shop, brick and steel, Albany St. $150,000. Engineer and architect not announced.

Mass., Holyoke — Judd Paper Co., 168 Race St., plans mill addition, brick and steel, Race St. $75,000. G. P. B. Alderman & Bro., 316 High St., engrs. and archts.

R. I., Westerly—Clyde Mfg. Co., Main St., plans 4 story factory, brick and timber, Cross Property. $100,000. Engineer and architect not announced.

Conn., Hartford—S. Vogel & Sons, Rice Court, having plans prepared by F. C. Walz, 407 Trumbull St., 1 story, 62 x 190 ft. garage, etc., rein.-con. and brick, plain foundation, High St. $100,000.

Conn., Middletown—Frissel Fabric Co., 26 Frissel St., plans 1 story, 60 x 200 ft. factory, brick and concrete, Silver St. $66,000. Engineer and architect not selected.

N. Y., Albany—Federal Signal Co., Troy Rd., plans additions to plant. To exceed $40,000.

N. Y., Buffalo—General Castings Corp., 577 Tonawanda St., plans rebuilding foundry, recently destroyed by fire. $50,000-$60,000. Engineer and architect not announced.

N. Y., Cortland — Crescent Corset Co. plans concrete and steel factory and warehouse, South Main St. $75,000-$80,000. G. H. Croker, genl. mgr.

Industrial Works (Continued)

N. Y., Ogdensburg—C. E. Castle, Greene St., had plans prepared by G. E. Wilson, rein.-con. machine shop and garage. $40,000-$50,000.

N. Y., Potsdam—See "Miscellaneous."

N. Y., Schenectady—General Electric Co., River Rd., plans enlarging Bldg. 109, 1 story, 120 x 200 ft., steel and concrete. $50,000-$55,000.

N. Y., Stillwater — H. J. Reilly plans large fireproof plant. $100,000.

Pennsylvania—See "Miscellaneous."

Pa., Beaver Falls—T. F. Daquila, 716 11th St., having plans prepared by Carlisle & Sharrer, Jenkins Arcade, Pittsburgh, 3 story and basement, 43 x 90 ft. brick and tile garage, 7th Ave. and 14th St. $60,000.

Pa., Clearfield—W. B. Holmes, Jr., takes bids about May 1, 2 story, part basement, 50 x 100 ft. rein.-con. and brick garage and repair shop, Merrill and Williams Sts. $40,000.

Pa., Warren—Jacobson Gas Engine Co., plans to rebuild factory recently destroyed by fire, on east side. $150,000. Engineer and architect not announced.

D. C., Wash.—Potomac Electric Power Co., 231 14th St., N. W., having plans prepared by Stone & Webster, engrs., 147 Milk St., Boston, power plant, 20,000 kw., 60 cycle, 13,200 volt, turbine generators, three 1,400 hp. boilers, etc., at Bennings Sta. $1,500,000.

W. Va., Wheeling—Hazel Atlas Glass Co., Consolidated Life Insurance Bldg., having plans prepared by C. W. Bates, 77 12th St., 2 story and basement, 60 x 150 ft. machine shop, brick and concrete. $40,000.

North Carolina—See "Railways."

N. C., Concord—Hobarton Mfg. Co. having plans prepared 1 story, 182 x 220 ft., weaving and finishing mill. $400,000. Lockwood, Greene & Co., Piedmont Bldg., Charlotte, engrs.

N. C., Lexington — Elk Furniture Co. plans factory, to replace one recently destroyed by fire. $70,000.

N. C., Marshville — Marshville Mfg. Co. plans mill. $100,000. Architect and engineer not selected.

S. C., Charleston—E. P. Burton Lumber Co., Cosgrove Ave., plans to rebuild lumber mill, destroyed by fire. $400,000. Engineer and architect not announced.

S. C., Spartanburg — Acadia Mfg. Co. plans 3 story, 125 x 280 ft., textile mill. Lockwood, Greene & Co., Piedmont Bldg., Charlotte, N. C., engrs.

S. C., Spartanburg—Pacific Mills Co., 101 Milk St., Boston, Mass., plans 30,000 spindle mill and bleachery, at Grece, near here. Lockwood, Greene & Co., Piedmont Bldg., Charlotte, N. C., engrs.

Fla., Tampa—See "Miscellaneous."

Miss., Shelby—A. R. Carnes Motor Co. had plans prepared by Alsop & Callahan, 752 Randolph Bldg., Memphis, 60 x 130 ft. brick and steel garage. $40,000.

Tenn., Chattanooga—Atlantic Ice & Coal Co., 213 Fort St., plans 4 story, 80 x 140 ft., cold storage plant, 13th St., also remodel present 4 story plant. $150,000. Engineer and architect not announced.

Tenn., McKenzie — City Council making plans ice plant. $40,000-$50,000. Engineer and architect not announced.

Ky., Louisville—Klein Motor Co., 949 South 3rd St., plans 5 story, 50 x 200 ft., garage and salesroom, brick and concrete, 942-44 South 3rd St. $125,000. Engineer and architect not selected.

Ky., Owensboro—Bolger & Madley plan brick and tile factory. $60,000. Engineer and architect not announced.

O., Cleveland — Broadhead-Garrett Co., 2835 East 51st St., plans 1 and 2 story, 60 x 300 ft. timber warehouse, 40 x 40 ft. dry kiln building, brick, 40 x 50 ft. timber planing mills, brick boiler house, office and garage building, East 71st St. along tracks of Belt Line R.R. $150,000. J. C. Rash, asst. secy. Engineer and architect not selected.

O., Cleveland—Superior-49th Co., c/o G. Paul, 611 Fidelity Mortgage Bldg., had plans prepared by J. F. Steffens, 611 Fidelity Mortgage Bldg., 1 story, 182 x 203 ft., brick and steel garage, Superior Ave. and East 51st St. $75,000. Noted Apr. 27.

O., Cleveland—Indiana Oil Products Co., 7010 Harvard Ave., had plans prepared 1 story, 66 x 150 ft., brick and timber garage, 3852 West 25th St. $40,000. Private plans.

O., East Liverpool—Chevrolet Motor Co., c/o J. A. Trotter, having plans prepared by A. McHenry, c/o Potters Lumber Co., East Liverpool, 3 story and basement, 75 x 85 ft., brick, tile and stone garage, Market St. $50,000.

O., East Liverpool—Liverpool Motor Car Co., having plans prepared 2 story and basement, 50 x 135 ft., brick, tile and steel garage. $50,000. Private plans.

O., Mansfield—Standard Oil Co. of Ohio, East Ohio Gas Bldg., Cleveland, plans 1 story, brick and concrete warehouse and garage, here. $40,000. E. B. Wagoner, East Ohio Gas Bldg., Cleveland, archt.

O., Steubenville—Nash-Brandt Co., 537 Lawson Ave., soon lets contract 2 story and basement, 70 x 85 ft. garage, West Market St. $60,000. Peterson & Clark, Steubenville, archts.

O., Warren—Salzenbacher Motor Co. had plans prepared by Watson Eng. Co., 4614 Prospect Ave., 1 story, 35 x 46 ft., brick and steel garage. $40,000.

Ill., Chicago—La Salle Hotel Co. plans 6 story, 40 x 80 ft. addition to garage, rein.-con., brick and steel, 211-13 West Washington St. $150,000. Holabird & Roche, 104 South Michigan Ave., archts.

Ill., Chicago—S. G. Sheppard, 112 West Adams St., plans 1 story, 112 x 166 ft. garage, rein.-con., brick and steel, 4445 Grand Blvd. $60,000. Doerr, Lindquist & Doerr, 105 North Clark St., archts.

Wis., Fond du Lac—Combination Door and Screen Co., 188 Military St., having plans prepared by Stepnoski & Mehner, Fond du Lac (street address not available), 2 story, 45 x 110 ft. factory and warehouse, brick, rein.-con. and steel, plain foundation. $45,000.

Wis., Hammond—C. Datmyler plans 1 story, 50 x 122 ft. garage, repair and machine shops, brick, rein.-con. and steel, plain foundation, $40,000. Engineer and architect not selected.

Ia., Waterloo—Rath Packing Co., Sycamore and Elm Sts., having plans prepared by Henchlen & McLaren, 37 West Van Buren St., Chicago, 5 story and basement, 90 x 100 ft., rein.-con. and brick, refrigerating plant. $150,000.

Kan., Wichita—Cooperative Power Plant, c/o D. S. Jackman, 715 East 13th St., plans 1 story, power plant, concrete, concrete foundation. $150,000. Engineer and architect not selected.

N. D., Fargo—Blue Valley Creamery Co., 700 South Clinton St., Chicago, c/o C. J. Walker, Fargo, plans 2 story, 60 x 100 ft. concrete and brick creamery, 1st Ave. N. near 11th St., here. $75,000.

Mo., Fulton — McElroy Sloan Shoe Co., 16th and Washington Sts., St. Louis, having plans prepared by A. B. Groves, Stock Exch. Bldg., St., St. Louis, 2 story, 40 x 78 ft., brick factory, here. $40,000.

Mo., Hannibal — Storis Ice & Coal Co. plans plant, Bridge and Ferry Sts. $50,000. W. Storis, pres. Engineer and architect not selected.

Mo., Oran—See "Waterworks."

Mo., St. Joseph—Collier-Adams Mfg. Co. having plans prepared by E. R. Meier, Lincoln Bldg., 3 story and basement, 68 x 300 ft., brick and stone factory, 4th and Mitchell Aves. $100,000.

Tex., Abilene—Wooten & Simmons plan 2 or 3 story, 500 x 500 ft. mill, concrete and steel, along tracks Abilene and Southern R.R. $200,000. Engineer and architect not announced.

Tex., Paris—Paris Textile Mills Co., c/o J. Deweese, mayor, having plans prepared by Lockwood Green Co., 101 Park Ave., New York City, 20,000 spindle cotton mill. $1,000,000.

Okla., Enid—See "Miscellaneous."

Okla., Sulphur—Colvert Ice Cream Co., Ardmore, plans creamery and ice cream plant, here. Engineer and architect not selected.

Okla., Tulsa—See "Buildings."

Wash., Seattle—Washington Iron Wks., Seattle Blvd. and Norman St., plans 126 x 572 ft. machine shop addition to structure now under way. $75,000.

Calif., Los Angeles—Pacific Sash & Door Co., 3216 South Main St., making plans group of buildings, 240 x 350 ft., incl. planing mill, storage sheds, dry kilns, etc. Private plans.

Calif., Los Angeles—Pioneer Pacific Worsted Co. having plans prepared 1st unit of woolen mill, 1 story, brick, steel and tile, 125,000 sq.ft. floor space. $250,000. Hamm & Grant, Inc., Ferguson Bldg., engrs.

Calif., San Francisco—Bekins Fireproof Storage Co., 13th and Mission Sts., had plans prepared by E. T. Flaherty, I. W. Hellman Bldg., Los Angeles, 7 story and basement storage building, rein.-con., Geary and Masonic Aves. $325,000.

Calif., San Francisco—Glidden Co. of California, 123 Hooper St., plans to remodel 4 story, rein.-con. factory, Hubbel St. To exceed $50,000.

Calif., San Francisco—Marian Realty Co., French Bank Bldg., had plans prepared by D. C. Coleman, 110 Suter St., 2 story, auto stage depot, brick, steel and terra cotta, 8th and Mission Sts. $40,000.

Calif., San Leandro—Cereal Mfg. Co., c/o C. N. Burrell, archt., American Bank Bldg., Oakland, having plans prepared 3 story, brick and concrete plant. $150,000.

Calif., San Leandro—Durant Motors Co. of California, 10910 East 14th St., Elmhurst, having plans prepared 2 story, 80 x 600 ft., brick factory, here. Private plans.

Ont., Campbellford—See "Miscellaneous."

Ont., Cedar Springs—H. Downey and H. Dewar, Cedar Springs, plan garage and repair shop. $42,000.

Ont., Hamilton—Hamilton Uniform Cap Co., 214 King William St., plans to rebuild factory recently destroyed by fire. Loss $150,000. A. Uger, mgr.

Ont., Peterboro — Pub. Utilities Comn. plans concrete, brick and steel electric light and power distribution sub-station. $75,000 bonds voted.

Sask., Yorkton—City plans power plant. $100,000.

BIDS DESIRED

Me., Rumford—B. T. Wheeler, ch. engr. of Maine Central R.R., Portland, taking bids 1 story, 100 x 110 ft. car repair shops, brick and steel, plain foundations, at freight yards, here. $50,000.

Mass., Boston—S. S. Eisenberg, archt., 46 Cornhill, taking bids and soon lets contract converting 5 story building into garage and service station, brick and steel, 27-36 Endicott St., for H. Norman, 20 Lawrence Ave., Roxbury (Boston P. O.).

Conn., Hartford—F. Stayton, 70 Freeman St., taking bids and opens same about Apr. 20, 2 story, 32 x 65 ft. storage plant, brick and steel, plain foundation, rear Buckingham St. $40,000. J. E. Marchetti, 721 Main St., archt.

Conn., Windsor Locks—C. H. Dexter & Sons, general contract 4 story and basement, 54 x 100 ft. factory, brick, plain foundation, to R. G. Bent Co., 183 Ann St. Archts. est. $75,000.

New York—See "Miscellaneous."

N. Y., New York—Apr. 13, by Transit Comn., 49 Lafayette St., inspection shed and service buildings, northeast corner Jerome Park reservoir property near Jerome Ave. and Mosholu Parkway. G. McAneny, chn.

Pa., Altoona—Apr. 16, by United Home Dressed Meat Co., 9th Ave. and 31st St., 3 story and basement, 81 x 95 ft. concrete, brick and steel addition to plant, Anders & Rimers, 430 Gary Bldg., Cleveland, O., engrs. and archts. Noted Feb. 1.

Pa., McKees Rocks—Federal Enameling & Stamping Co., Thompson Ave., will build 1 and 3 story, 90 x 150 ft., 90 x 120 ft., 130 x 300 ft. and 200 x 350 ft. factory buildings, to replace those recently destroyed by fire. Work will be done by separate contracts. F. Frimmer, 1138 Charles St., archt. Noted Nov. 23.

Pa., New Bethlehem—Lower Bros., will build 2 story and basement, 52 x 108 ft. garage. $40,000. Work will be done by separate contract. W. J. Laughlin, 1st Natl. Bank Bldg., New Kensington, archt.

Pa., Phila.—J. H. Francis, engr., Otis Bldg., taking bids 4 story and basement, 100 x 100 ft. rein.-con. and brick plant, plain foundation, Dauphin and Tulip Sts., for Pollock-Huston Co. $500,000.

Pa., Phila.—P. Kuhn, archt., 3058 North 8th St., taking bids 1 story, 69 x 100 ft. brick and steel garage, plain foundation, Front and Thompson Sts., for G. Fellman, 1253 North Front St. $60,000.

Pa., Uniontown—H. W. Altman, archt., Fayette Title & Trust Bldg., taking bids 2 story, 41 x 70 ft. brick, steel and stone garage, for Uniontown Automobile Co. $50,000. Noted Mar. 8.

D. C., Wash. — Ballinger Co., archts., 12th and Chestnut Sts., Phila., receiving bids 4 story and basement, 150 x 250 ft. warehouse and office, rein.-con., brick and steel, 4th and T Sts., here, for Sanitary Grocery Co., 52 O St., N. W. $500,000.

W. Va., Huntington—C. L. Ritter, Ritter Bldg., 3 story, 60 x 160 ft. garage, 4th Ave., to H. Perseen, 604 7th Ave. Archts. est. $70,000.

Ky., Central City — Apr. 11, by Marr & Holman, archts., Stahlman Bldg., Nashville, Tenn., 1 story and basement, 70 x 165 ft. garage, brick, for J. Barnes Auto Co. $40,000. Noted Mar. 22.

Industrial Works (Continued)

O., Cleveland—Power Impvt. Co., c/o G. E. Peterson, 15924 Euclid Ave., taking bids 5 story and basement, 109 x 135 ft., brick, steel and concrete warehouse, sales and service building, Cedar Ave. and Ashland Rd. $350,000. Private plans. Noted June 8.

O., Salem—Victor Stove Co., 208 Depot St., taking bids 1 story, 80 x 150 ft. foundry, steel, brick foundation. Private plans. Noted Mar. 15.

O., Tiffin—W. H. Roe & Associate Engineers, Tiffin, taking bids 1 story, 55 x 170 ft., brick and steel garage, for F. S. Sell, Tiffin.

Wis., Cassville — Klindt-Geiger Canning Co. taking bids 2 story, 50 x 95 ft., brick, rein.-con. and steel factory, plain foundation. $45,000. Private plans.

Wis., Green Bay—Apr. 20, by Foeller, Schober & Stephenson, archts., Nicollet Bldg., 2 story and basement, 60 x 134 ft., publishing plant, brick and concrete, plain foundation, for Green Bay Newspaper Co., 315 Cherry St. $150,000. Noted Jan. 11.

Wis., Madison—S. Sinaiko, 1968 Railroad St., taking bids 2 story, 60 x 70 ft., brick and rein.-con., mill, plain foundation. $40,000. Private plans. Noted Mar. 1.

Wis., Plymouth — E. A. Juul, archt., Security Bldg., Sheboygan, taking bids 1 story, 60 x 150 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, for J. Mattey, Plymouth. $50,000.

Wis., Sheboygan—E. A. Juul, archt., Security Bldg., taking bids 2 story, 60 x 100 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, Center St., for F. Hensel & Co., North 7th St. and Center Ave. $50,000. Noted Feb. 22.

Minn., St. Paul — Apr. 9, by Waldorf Paper Products Co., Myrtle St. near Hampden Ave., 5 story and basement, 84 x 193 ft., rein.-con., brick and tile, Myrtle St. near Hampden Ave. $175,000. H. A. Sullwold, 641 Endicott Bldg., engr. Noted Feb. 15.

S. D., Rapid City—Apr. 23, by A. C. Hunt, secy. South Dakota State Cement Comn., Rapid City, also Apr. 24, at Marvin Highitt Hotel, Huron, for following structures at state cement plant, near here, 1 story, 67 x 122 ft. brick shop and warehouse, 1 story and basement, 54 x 98 ft. brick, bag storage and cleaning building, rein.-con. finished storage building incl. 6 tanks, 70 ft. high, 32 ft. diam., 1 story, 62 x 80 ft. brick office, laboratory and employees locker building, rein.-con. chimney 205 ft. high, 10 ft. diam., concrete foundation 80 x 408 ft. for raw material storage building. J. C. Buckbee Co., 1st Natl. Bank Bldg., Chicago, engrs.

S. D., Rapid City—Apr. 10, by State School of Mines, concrete and brick boiler house and coal bunker, one rein.-con. chimney, induced draft fan, steam piping, etc., for heating plant. $40,000. T. W. Dwight, pres. Black Hills Eng. Co., Rapid City, engrs.

Calif., Los Angeles—See "Buildings."

BIDS RECEIVED

N. Y., Oswego—E. S. Walsh, supt. Pub. Wks., Albany, Mar. 27, terminal freight house, here, from Peter Raby Contg. Co., 26 West Cayuga St., $78,566; B. L. Gabriel, Security Bldg., Binghamton, $84,451; McHarg-Barton Co., 1328 Bway., New York, $84,655. Noted Mar. 1.

O., East Cleveland (Cleveland P. O.)—City 1 story, 52 x 88 ft. and 1 story, 37 x 80 ft. brick and steel garages, Marloes Ave. and Eddy Rd., from Forschner Co., East 10th St. and St. Clair Ave., $51,187; C. A. Carson Co., 7016 Euclid Ave., $59,000. Noted Feb. 15.

CONTRACTS AWARDED

N. H., Penacook (Concord P. O.)—Dustin Island Woolen Mills, 4 story, 55 x 80 ft. addition to main building, and 2 story, 35 x 120 ft. dyehouse addition, brick and timber, and 1 story, 40 x 65 ft. boiler plant, rein.-con., to L. H. Shattuck Inc., 208 Granite St., Manchester. Archts. est. $100,000.

Mass., Adams—Berkshire Cotton Mfg. Co., 4 story, 53 x 101 ft. mill addition, brick and timber, plain foundation, to J. R. Hampson & Co., 14 Taylor St., Pittsfield. Archts. est. $84,000.

Mass., Gardner—International Fibre Co., West St., 2 story, 90 x 90 ft. factory, brick and timber, plain foundation, West St., to Frissell Eng. Co., Main St. Archts. est. $50,000.

Mass., Somerville (Boston P. O.)—Great Atlantic & Pacific Tea Co., 150 Bay St., Jersey City, N. J., 4 story, 80 x 120 ft., bakery, here, to Turner Constr. Co., 178 Tremont St., Boston.

R. I., Cranston—Cranston Worsted Co., Bristol, 5 story, 64 x 122 ft. mill addition, brick and timber, plain foundation, to D. E. McIntire, Inc., 74 Broad St., Boston. Archts. est. $100,000.

R. I., Providence—J. F. Gibson Co., West Exchange St., 3 story, 50 x 135 ft. warehouse, brick and timber, plain foundation, West Exchange St., to Williams & Merchant Inc., Rhode Island Trust Bldg. Archts. est. $60,000.

R. I., Providence—M. W. Norton, Dorrance St., 3 story garage, brick and steel, plain foundation, to E. Radding Constr. Co., 144 Westminster St. Archts. est. $75,000. Noted Mar. 8.

Conn., Hartford — Veeder Mfg. Co., 20 Sargeant St., 1 story and basement, 80 x 150 ft. factory addition, brick and steel, plain foundation, to R. G. Bent Co., 183 Ann St. Archts. est. $50,000.

Conn., Norwich—Amer. Woolen Co., 3 story, 106 x 125 ft. warehouse with 70 x 125 ft. extension, rein.-con., to Turner Constr. Co., 178 Tremont St., Boston.

Conn., Putnam—Adams Mfg. Co., 2 story, 105 x 110 ft. weave shed, 1 additional story to present 3 story, 45 x 60 ft. mill, two 4 story toilet towers and elevator tower, brick and timber, plain foundations, to O. D. Purington & Co., 626 Industrial Trust Bldg., Providence, R. I. Archts. est. $80,000. Noted Mar. 15.

Conn., Shelton—S. Blumenthal & Co., 4 story, 53 x 100 ft. mill, rein.-con., 4 story, 16 x 50 ft. mill construction building and 60 x 75 ft. rein.-con. building, to Turner Constr. Co., 178 Tremont St., Boston.

N. Y., Mineola—Reid Ice Cream Co., 1 and 2 story, 55 x 200 ft. storage plant, to Turner Constr. Co., 244 Madison Ave., New York.

N. Y., New York—Lion Brewery of New York City, Columbus Ave. and 108th St., ice plant, brick and steel, plain foundation, Ludlow and Whitlock Aves., to Cunningham & Foley, Inc., 219 West 116th St. Archts. est. $400,000.

N. Y., New York—Wilson & Co., United Stock Yards, Chicago, 5 story, 50 x 70 ft. crackling building, 46th St. between 1st Ave. and East River, here, to Turner Constr. Co., 244 Madison Ave.

N. Y., Watertown—Northern New York Utilities, Inc., 58 Pub. Sq., remodeling retort house and constructing two vertical retorts of 800,000 cu.ft. capacity, to West Gas Impvt. Co., Inc., 150 Nassau St., New York, $200,000. Noted Feb. 1.

N. Y., Yonkers—Alexander Smith & Sons Carpet Co., Elm and Palisade Aves., 4 story, 60 x 430 ft. mill, to Turner Constr. Co., 244 Madison Ave., New York.

N. J., Paulsboro — Vacuum Oil Co., Bramells Pt., 3 story, 100 x 120 ft. export warehouse, and 2 story, 60 x 60 ft. domestic warehouse, etc., to Turner Constr. Co., 244 Madison Ave., New York City.

Pa., Altoona—M. S. Koller & Son, 1001-1003 11th St., 3 story and basement, 45 x 150 ft. brick, steel and limestone warehouse, 11th and Green Aves., to C. H. Cassidy, 2814 Broad Ave., cost plus basis. Archts. est. $150,000. Noted Mar. 22.

Pa., Etna (Pittsburgh P. O.)—Etna Buick Co., 425 Butler St., 2 story, 75 x 100 ft. concrete and brick addition to garage, Butler St., to Duquesne Constr. Co., Cypress and Aspen Sts., Pittsburgh. Archts. est. $40,000. Noted Feb. 8.

Pa., Phila.—F. A. Nardy, 3840 Spring Garden St., will build 2 story and basement, 100 x 138 ft. brick and steel garage, by day labor. $60,000. R. A. Schumann, 202 West State St., Trenton, N. J., archt. Noted Dec. 7.

Pa., Phila.—Penn Door & Sash Co., 25th and Callowhill Sts., 1 and 2 story and basement, 193 x 315 ft. and 41 x 81 ft. warehouse, factory and garage, brick and steel, plain foundation, F and Atlantic Sts., to F. W. Easby, 1814 Chestnut St. Noted Jan. 25.

Pa., Phila.—Penna Laundry Co., 32nd and Powelton Aves., 3 story and basement, 81 x 92 ft. brick and steel laundry, plain foundation, 32nd and Powelton Aves., to F. A. Havens Co., 845 North 19th St., $150,000.

Pa., Phila. — Evening Bulletin, Juniper and Arch Sts., 7 story and basement, 90 x 134 ft. publishing plant, rein.-con., brick and steel, Juniper and Arch Sts., to Doyle & Co., 1519 Sansom St. Archts. est. $750,000.

Pa., Pittsburgh — W. W. Martin, 5847 Center Ave., 1 story and basement, 60 x 190 ft. sales and service building, 5710 Penn Ave., to Inland Constr. Co., 5612 Penn Ave. Archts. est. $40,000.

Pa., Pittsburgh — Oberndorff Mfg. Co., Thomas Blvd., 1 story, 50 x 120 ft. addition to factory, Thomas Blvd., to West Bros., 635 Trenton Ave., Wilkinsburg.

Pa., Pittsburgh — Pittsburgh Vitreous Enameling Co., 720 Bessemer Bldg., 1 story, 58 x 75 ft. factory, 76-79 Cliffe St., to Walker & Curley, 106 Bridge St., Sharpsburg.

Pa., Pittsburgh—Pittsburgh Transformer Co., Columbus and Preble Aves., 1 story, 60 x 80 ft. addition to factory, to Austin Co., Union Arcade.

Pa., Pittsburgh—Seltzer Music Co., 1201 Liberty Ave., 6 story and basement, 41 x 131 ft. film exchange, 1016 Forbes St., to H. Miller & Son, 2565 5th Ave. Archts. est. $150,000.

Pa., Scranton—Wyoming Motor Car Co., 417 North 6th Ave., 1 story, 40 x 150 ft. concrete, brick and tile garage, Wyoming Ave., to M. Rosata & Son, 1145 Sloan Ave. Archts. est. $40,000.

Pa., Springdale—West Penn Power Co., West Penn Bldg., Pittsburgh, 1 story and basement, 200 x 200 ft. concrete, brick and steel power plant addition, to Sanderson & Porter, 52 William St., New York City. $6,000,000.

N. C., Lumberton — Mansfield Mill, 1 story, 177 x 280 ft., textile mill, brick and timber, to E. H. Clement Co., Commercial Bank Bldg., Charlotte, $83,000. Noted Mar. 15.

Fla., Avon Park—First Trust Co., Verona Investment Co., and S. P. Durrance, 100 x 200 ft. cold storage building, brick, to W. J. Hein, Avon Park, cost plus percentage basis. Engrs. est. $50,000.

O., Bridgeport—W. McConnaughty, Main St., 3 story and basement, 44 x 67 ft. garage and sales building, to C. Shimp, City Bldg., Martins Ferry. Archts. est. $40,000.

O., Cleveland—Central Brass Co., 6203 Cedar Ave., 1 story, 102 x 140 ft., brick and steel foundry, East 55th St. and Bragg Court, to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $50,000.

O., Cleveland—See "Buildings."

O., East Palestine—W. S. George Pottery Co. will build 2 story, 165 x 400 ft. plant, brick, by day labor. Private plans. Noted Mar. 15.

Mich., Ionia—Ypsilanti Reed Furniture Co., 5 story and basement, 112 x 300 ft., brick and timber factory, plain foundation, to Barnes Bros., Division St., Grand Rapids. $123,565. Noted Mar. 8.

Ill., Centralia—Pfeffer Garage Co., 2 story rein.-con. and brick garage, Main St., to Murch Bros., Railway Exch. Bldg., St. Louis, Mo. Archts. est. $60,000. Noted Jan. 25.

Wis., Augusta—Ford Auto Co., 1 story, 40 x 100 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, to W. A. Johnson, Augusta. Archts. est. $40,000.

Wis., Beloit—Gaston Scale Co., 715 2nd St., 2 story, 40 x 68 ft., brick, rein.-con. and steel factory, plain foundation, to W. J. Fitzgerald Co., 726 Central Ave. Archts. est. $40,000. Noted Feb. 1.

Wis., Milwaukee—Wisconsin Magneto Co., 528 Milwaukee St., 1 story and basement, 90 x 120 ft., service station, brick and concrete, plain foundation, Van Buren St., to A. Nuedling, 998 16th St. Archts. est. $48,000.

Wis., Milwaukee—Milwaukee Wadding & Comfort Mills, 415 3rd St., 1 story, 60 x 192 ft., brick and timber, plain foundation, Clybourn St., to J. B. Schmitz, 252 West North Ave., Wauwatosa. Archts. est. $45,000. Noted Mar. 15.

Wis., Milwaukee—M. R. Hayes, 97 Wisconsin St., 1 story, 80 x 152 ft., brick and concrete garage, plain foundation, Cambridge Ave., to F. Timm, 1279 10th St. Archts. est. $45,000. Noted Mar. 1.

Wis., Racine—Thomas Heating Co., 846 Grand Ave., 1 story and basement, 42 x 120 ft., brick and timber warehouse, plain foundation, Center St. to Racine Constr. Co., 468 College Ave. Archts. est. $45,000.

Ia., Cedar Rapids — Disbrow Sash and Door Co., 7th Ave. and South 1st St., general contract 55 x 126 ft. warehouse, 51 x 100 ft. factory, 40 x 43 ft. office, 30 x 50 ft. boiler house, all brick and tile, to Loomis Bros., 326 3rd Ave., $75,000. Noted Dec. 14.

Ia., Waterloo—J. H. Hadley, 521 Vermont St., general contract 2 story and basement, 40 x 160 ft. garage, 5th and Jefferson Sts., to J. G. Miller, 813 Black Hawk Bank Bldg. $40,000.

Industrial Works (Continued)

Ia., Waterloo — M. Parrott & Sons Co., Sycamore St. and East Park Ave., general contract 1 story and basement, 122 x 200 ft. printing plant and office, brick and tile, Bratnober St. near Bway., to Currie-Simpson Co., 180 West 1st St., $50,000.

Kan., Wichita—Wichita Beacon, 2 story, 25 x 47 ft., newspaper plant and office building, concrete and terra cotta, South Main St., to G. Siedhoff Constr. Co., Broadview Hotel, $40,000.

Neb., Columbus — Swift & Co., 1223 Leavenworth St., creamery and poultry building, rein.-con. and brick, here, general contract to E. Rokahr & Sons, 1743 South 24th St., Lincoln, $135,000. Noted Feb. 7.

Mo., Kansas City—Ralston Purina Co., 8th and Gratiot Sts., general contract 3 story and basement, 42 x 100 ft. grinding mill and 2 warehouses, 100 x 160 ft. and 100 x 128 ft., 27 ft. high, rein.-con., Nicholson and Scott Sts., to Jones-Hottelsater Constr. Co., 706 Mutual Bldg. Archts. est. $300,000.

Mo., St. Louis—Sybilline Realty Investment Co., Title Guaranty Bldg., 1 story, 150 x 152 ft., rein.-con. and brick factory, plain foundation, Duncan Ave., to C. B. McCormack & Son, Columbia Bldg. Archts. est. $60,000.

Mo., St. Louis—Superior Folding Box Co., 2207 Chestnut St., 2 story, 135 x 163 ft., rein.-con. and brick factory, plain foundation, Geraldine St., to Gamble Constr. Co., 620 Chestnut St. Archts. est. $75,000.

Tex., Dallas—W. Morris, 1017 Elm St., 2 story, 88 x 160 ft., rein.-con. garage, plain foundation, Ervay and Cadiz Sts., to Inge Constr. Co., Swiss and Hawkins Sts., $50,000.

Tex., Houston—Anderson Clayton & Co., Mason Bldg., warehouses, rein.-con. woodpile foundations, cotton compress, 600 ft. wharves, concrete construction, also dredging channel, to J. B. Townsend, Houston (street address not available), $750,000. Noted Mar. 1 under Excavation, Drainage, Irrigation.

Calif., Los Angeles—A. Fileshman, c/o Swasey & McAfee, archts., Hibernian Bldg., 4 story, 50 x 120 ft. warehouse, brick, Santa Monica Blvd., to Macdonald & Kahn, Loew State Bldg. Archts. est. $75,000.

Que., Montreal—H. Morgan & Co. Ltd., St. Catherine St., 75 x 160 ft. rein.-con. power house, Aylmer St., to H. Morgan Co., Beaver Hall Hill, $150,000.

Ont., Hamilton—R. J. Foley, engr. United Gas & Fuel Co., Sun Life Bldg., coke and byproduct ovens, to Semen Solvay Co., Room 318 Royal Connaught Hotel, $2,500,000. Noted Mar. 8.

Ont., Toronto—Toronto Carpet Mfg. Co., 1179 King St. W., 3 story and basement, 140 x 350 ft. rein.-con. and brick plant, plain foundation, to W. Steele & Sons, 219 North Broad St., Phila., Pa.

Buildings

PROPOSED WORK

Mass., Boston—Bank and Office—Old Colony Trust Co., 17 Court St., plans 9 story, brick, stone, steel and concrete addition, 28 Cornhill. $1,000,000. Coolidge & Shattuck, 122 Ames Bldg., archts.

Mass., Deerfield—High School—School Bd., Town Hall, plans 2 story and basement, brick and steel, Main St. $150,000. Engineer and architect not announced.

Mass., Hyde Park (Boston P. O.)—Police Station—Pub. Wks. Dept., Boston, having plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, 3 story, rein.-con. and brick, wood pile foundation, here. $200,000.

Mass., Needham — High School — Town plans 90 x 175 ft., rein.-con. and brick, plain foundation. $280,000. W. M. Southworth, chn. school com. Engineer and architect not selected.

Conn., Hartford—Gymnasium—Connecticut Institute for Blind, c/o H. H. White, 76 North Beacon St., chn. executive com., plans 1 story and basement, 50 x 100 ft., brick and steel, plain foundation, Holcomb St. $150,000. Engineer and architect not selected.

Conn., Hartford—Office—Judd & Co., Hartford-Connecticut Trust Co. Bldg., plans 7 story, 72 x 82 ft., rein.-con., plain foundation, Pearl St. $250,000. Engineer and architect not selected.

Conn., New Britain—Society—Young Mens Temperance, Abstinence and Benevolent Society, Lafayette St., plans 60 x 100 ft., probably 4 story, brick, plain foundation, Main St. $150,000. Engineer and architect not selected.

N. Y., Albany—Hospital—Albany City Hospital plans 4 or 5 story, concrete, brick and steel addition. $600,000. C. Gibson, pres. Bd. Governors, Albany City Hospital.

N. Y., Angelica—Home—Building Com. Bd. Supervs. Allegany Co. (Belmont), plans rein.-con., brick and steel, here. To exceed $150,000. W. H. Hall, Bellmont, chn.

N. Y., Brooklyn—Schools—Bd. Educ., 500 Park Ave., New York, having sketches made by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., addition to P. S. 145, Central Ave. and Noll St., $600,000; P. S. 63, Hinsdale Ave. near Liberty Ave., $750,000, 5 story high school, Classon Ave. and Union St., $2,000,000, all brick, steel and stone, plain foundations, here.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, soon takes bids P. S. 210, brick, steel and stone, Park Pl. and Rochester Ave., here. $900,000. W. H. Gompert, Flatbush Ave. extension and Concord St., archt and engr. Noted Mar. 15.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., P. S. 97, brick, steel and stone, plain foundation, Benson and 25th Aves. $800,000.

N. Y., Buffalo — Apartment — C. J. Fimiani, 1093 Delaware Ave., purchased 100 x 193 ft. site, Delaware Ave. and West Ferry St., and plans apartment. $300,000. Engineer and architect not selected.

N. Y., Fairport—High School—Apr. 9, to vote on $375,000 bonds 135 x 166 ft. high school. Noted Feb. 15.

N. Y., New York—Apartment—V. C. Farrar, archt. and engr., 4 East 39th St., preparing plans 6 story, 50 x 100 ft., brick, steel and stone, plain foundation, 179th St. and Walton Ave. Owner's name withheld.

N. Y., New York—Apartment—Raven Realty Co., c/o G. Miller, archt. and engr., 1482 Bway., had plans prepared 5 story, 92 x 100 ft., brick, steel and stone, plain foundation, Carlton Ave.

N. Y., New York—Apartments—C. E. Sheppard, c/o Scott & Prescott, archts., 34 East 23rd St., soon takes bids two 5-story, brick, steel and stone, plain foundations, 578 Ft. Washington Pl. $400,000 each.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., having plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., 29 story, brick, steel and rein.-con., plain foundation, West Barclay, Washington and Vesey Sts. $11,200,000.

N. Y., New York—Hotel—Fifty East 67th St. Corp., c/o Rouse & Goldstone, archts. and engrs., 512 5th Ave., having plans prepared 12 story, 80 x 100 ft., brick, steel and stone, plain foundation, 52 East 67th St. $750,000.

N. Y., New York—Office and Theatre—Fourteen Ninety Three Bway. Corp., 485 5th Ave., having plans prepared by Rapp & Rapp, 190 North State St., Chicago, 24 story, 200 x 207 ft., Bway. between 43rd and 44th Sts. $5,000,000. Noted Nov. 9.

N. Y., New York—Theatre—W. Hagedorn, c/o T. W. Lamb, archt. and engr., 644 8th Ave., soon takes bids 2 story, 110 x 160 ft., brick, steel and stone, plain foundation, Fordham Rd. $300,000. Noted Mar. 22.

N. Y., Rome—Church—Building Comn. of Rome Baptist Church, plans brick, stone and concrete addition. $190,000. C. H. Halstead, chn.

N. J., New Brunswick — Hospital — St. Peters General Hospital, Somerset St., plans new hospital. $300,000. J. Norris, 94 Somerset St., head of movement. Engineer and architect not selected.

N. J., New Brunswick—Hospital—Middlesex General Hospital plans addition. $200,000. D. Marshall, Highland Park, chn. com.

Pa., Allentown — Store — M. Rosenberg plans 4 story, 60 x 220 ft. brick and steel, South 7th St. $150,000. Engineer and architect not announced.

Pa., East Washington (Washington P. O.) —High School—Bd. Educ., c/o J. B. McMurray, Washington Trust Bldg., having plans prepared by G. W. Brugger, 29 North Central Ave., Canonsburg, 2 story and basement, brick, steel and stone. $150,000.

Pa., Ferndale (Johnstown P. O.)—School Dist. having plans prepared by J. E. Adams, archt., Nemo Bldg., Johnstown, 2 story and basement, 90 x 140 ft., brick and steel. $150,000.

Pa., Greensburg — High School — Bd. Educ. having plans prepared by M. E. Kressley & Co., 13 North 4th St., Harrisburg, 2 and 3 story and basement, 180 x 300 ft. brick, steel and stone. $250,000.

Pa., Grove City—Church—Presbyterian Congregation, c/o F. Fithian, having sketches made by J. C. Fulton & Son, Uniontown, 2 story and basement, brick or stone, on Pelton Hall site. $150,000.

N. Y., Mayville—High School—Apr. 21, by Bd. Educ., new high school, brick $160,000. D. Ingerson, clk. Beck & Tinkham, Professional Bldg., Jamestown, archts. Noted Mar. 22.

Pa., Meyersdale — Church — Church of Brethren having plans prepared by L. Kieper, Johnstown, 2 story and basement, 80 x 110 ft. concrete and brick, Main St. $150,000.

Pa., New Kensington — Bank — Logan Trust Co., New Kensington, having plans prepared by P. R. L. Hogner, c/o Aluminums Co., 5 story and basement, 50 x 120 ft. terra cotta and brick, 5th Ave. and 9th St. $250,000.

Pa., Phila.—Apartment—J. Goecher, 4116 Girard Ave., soon takes bids 4 story and basement, 63 x 115 ft. brick and steel, plain foundation. $200,000. J. F. Fieldstein, Otis Bldg., archt.

Pa., Phila.—Hotel—Kugler Bros., 15th and Ranstead Sts., having plans prepared by Ralph & White, Penna. Bldg., 26 story and basement, 85 x 132 ft. rein.-con., brick, steel and stone, 15th and Chestnut Sts. $5,000,000.

Pa., Pittsburgh—Gymnasium—Carnegie Institute of Technology, Schenley Park, having plans prepared by H. Hornbostel, archt., Century Bldg., 3 story and basement, concrete, brick and tile, Woodlawn Ave. $500,000.

Pa., Pittsburgh—Store and Apartment—Watkins Realty Co., Vandergrift Bldg., having plans prepared by J. E. Dwyer, Forbes Murray Bldg., 7 story and basement, 60 x 390 ft. concrete, brick and tile, Murray and Alderson Sts. $400,000.

Pa., Warren—Hotel—Bd. Commerce having plans prepared hotel. $250,000. Engineer and architect not announced.

W. Va., Charleston — Hotel — Federal Hotel Co., Inc., having plans prepared by B. Cunningham Co., 565 5th Ave., New York City, 13 story and basement, 135 x 147 ft., stone, brick, steel and terra cotta, Dunbar and Kanawha Sts. $2,000,000.

North Carolina — College, Institutional, etc. — State Legislature, Releigh, made following appropriations, $1,350,000 new buildings for North Carolina College for Women, at Greensboro; $326,000 new buildings for State School for Blind, at Raleigh; $415,000 new buildings and improvements for State Hospital for Insane at Morganton; $173,000 new buildings for Negro Normal School, at Elizabeth City; $173,000 new building for Negro Normal School, at Winston-Salem; $300,000 new buildings for Appalachian Training School, at Boone; $388,000 new buildings for Cullowhee Institute, Cullowhee; for all foregoing address E. C. Brooks, supt. Pub. Instruction, Raleigh; $300,000 new buildings, water lines, etc., for North Caroline State Hospital for Colored Insane, at Goldsboro; $219,000 new buildings for State Tuberculosis Sanatorium at Sanatorium; address A. M. Brayer, Supt., Sanatorium; $455,000 new buildings for Agricultural & Technical College for Colored, at Greensboro, H. M. Dudley, pres.; $232,500 new buildings for Woman's Reformatory, at Samarcand, A. McNaughton, Samarcand, supt.

N. C., Graham—Courthouse—Alamance Co. plans courthouse. $250,000. W. O. Warren, Graham, co. mgr. Engineer and architect not selected.

N. C., Raleigh — Gymnasium — North Carolina State College of Agriculture and Engineering plans gymnasium, $200,000. W. C. Riddick, pres.

Fla., West Palm Beach—Hotel—L. G. Biggers and associates, having plans prepared by W. M. King, archt., West Palm Beach, 4 story, 400 room, rein.-con., rock foundation, South Olive St. $500,000. Carr & McFadden, West Palm Beach, engrs.

Ala., Huntsville—Depot—Southern Ry. Co., 1300 Pennsylvania Ave., Wash., D. C., plans 1 story and basement, here. $150,000. J. H. Stanfield, Huntsville, div. mgr.

Miss., Aberdeen—School—Bd. Educ. plans school. $150,000. Engineer and architect not selected.

Tenn., Memphis—Bank and Office, etc.—Security Constr. Co. soon awards contract 12 story, 75 x 85 ft., stone and marble, South Front St. and Madison Ave. $1,250,000. McKim, Mead & White, 101 Park Ave., New York City, and L. Carlisle, 306 Falls Bldg., Memphis, archts. Noted Jan. 18.

Buildings (Continued)

O., Cleveland—Apartment—M. Berick, 822 Leader-News Bldg., plans 3 story and basement, brick and timber, 1924 East 93rd St. $150,000. Engineer and architect not selected.

O., Cleveland—Apartment—J. Dolinsky, 10816 Massie Ave., having plans prepared by M. Altschuld, 5116 Woodland Ave., 3 story and basement, 37 x 111 ft., brick and timber, Yale Ave. near St. Clair Ave. $150,000.

O., Cleveland — Apartment — Larkspur Apartment Co., c/o T. Sloan, 517 Sloan Bldg., had plans prepared by Grieble Co., 517 Sloan Bldg., 8 story and basement, 50 x 142 ft., brick, steel and concrete, 7338 Euclid Ave. $500,000.

O., Cleveland—Apartment—Narosny & Libhaber, 11523 Tuscora Ave., having plans prepared by M. Weis, 617 Union Bldg., 3 story and basement, 47 x 146 ft., brick and steel, East 97th St. near Lamont Ave. $150,000.

O., Cleveland—Apartment—J. Nozik, 994 Linn Dr., having plans prepared by M. Weis, 617 Union Bldg., 4 story, 47 x 123 ft., brick and steel, 1857 East 82nd St. $150,000.

O., Cleveland—Apartment—Ohio Building Finance Co., Discount Bldg., having plans prepared by W. A. Becker, 323 Union Bldg., 4 story and basement, 32 x 142 ft., brick and timber, 2052 East 90th St. $150,000.

O., Cleveland—Church—Emanuel Church, 8613 Carnegie Ave., having plans prepared by Watson Eng. Co., 4614 Prospect Ave., 2 story, brick and stone, Carnegie Ave. $150,000.

O., Cleveland—Infirmary—State Hospital Comn., Columbus, had revised plans prepared by R. S. Harsh, state archt., Columbus, 2 story, 180 x 180 ft., brick, steel and concrete, Warner Rd., here. $225,000.

O., Cleveland—Store—Bolivar-Prospect Co., c/o J. L. Free, 1004 Prospect Ave., having preliminary plans prepared 10 story, 116 x 180 ft., brick, steel and concrete, Bolivar Rd. and Prospect Ave. $750,000. Engineer and archts name withheld.

O., Cleveland—Temple—West Side Masonic Temple Co., c/o J. Cox of Cleveland Ry. Co., having plans prepared by C. W. Hopkinson, Rose Bldg., 5 story, about 80 x 120 ft., brick, steel and concrete, Franklin Circle. $350,000.

O., Zanesville—Hotel—Clarendon Hotel Co., c/o J. A. Rusk, mgr., having plans prepared by Watson Eng. Co., archts., 4614 Prospect Ave., Cleveland, 5 story and basement, 135 x 165 ft., brick, steel and concrete. $800,000.

Mich., Detroit— Apartment — Lane, Davenport & Peterson, archts., 2320 Dime Bank Bldg., preparing plans 4 story and basement, 140 x 220 ft. brick, steel and stone, plain foundation, Glendale Ave. $500,000. Owner's name withheld.

Mich., Detroit—School—St. Margarets Parish, J. A. Kolzer, pastor, Lemay and Warren Aves., had plans prepared by Donaldson & Meier, 1314 Penobscot Bldg., 2 story and basement, 65 x 190 ft. brick and steel, plain foundation, Lemay and Warren Aves. $150,000.

Mich., Ironwood—Church—St. Ambrose Congregation, J. Hollinger, pastor, having preliminary plans prepared by E. Brielmaier & Sons Co., 432 Bway., Milwaukee, Wis., 1 story, brick and tile, plain foundation. $150,000.

Ill., Chicago—Apartment—A. M. Ruttenberg, archt., 64 West Randolph St., preparing plans 3 story and basement, 100 x 104 ft., rein.-con., brick and steel, Avers St. near Hoyne Ave. $150,000. Owners name withheld.

Ill., Chicago—Apartment and Store—A. M. Ruttenberg, archt., 64 West Randolph St., preparing plans 3 story and basement, 100 x 123 ft., rein.-con., brick and steel, Devon and Newgard Sts. $150,000. Owners name withheld.

Ill., Chicago—Home—Christian Industrial League, 882 South State St., plans 5 story, rein.-con., brick and steel, Monroe St. between Green and Peoria Sts. $500,000. H. B. Wheelock, 64 West Randolph St., archt.

Ill., Evanston—Store and Office—Lowe & Bollenbacker, archts., 208 South La Salle St., Chicago, receive bids about Apr. 22, 6 story and basement, 70 x 120 ft., rein.-con., brick and steel, 517 Davis St., for Northwestern University, 522 Davis St., here. $250,000. J. G. Rogers, 367 Lexington Ave., New York City, associated archt. Noted Feb. 1.

Wis., Kenosha—Hotel—W. W. Ahlschlazer, archt., 65 East Huron St., Chicago, completing plans and soon takes bids 3 story and basement, 124 x 167 ft., brick, concrete and terra cotta, plain foundation, for Kenosha Development Co., c/o E. Dayton, Orpheum Bldg. $175,000.

Wis., Lancaster—High School—Rejected bids received Mar. 14, 2 story and basement, 100 x 200 ft., brick, tile and concrete, plain foundation. Will readvertise. Parkinson & Dockendorff, Linker Bldg., La Crosse, archts.

Wis., Milwaukee—University—State Bd. Educ., Capitol Bldg., Madison, plans brick and steel, plain foundation, here. $150,000. E. A. Fitzpatrick, secy. Engineer and architect not selected.

Wis., Sheboygan—Clubhouse, etc.—Fraternal Order of Eagles, New York Ave., plans 4 story, rein.-con., brick and steel, plain foundation, New York Ave. $150,000. A. L. Theumber, mgr. Engineer and architect not selected.

Ia., Council Bluffs—School—Voted $225,000 bonds for school. Architect not selected.

Ia., Des Moines—Schools—Voted $2,630,000 bonds for school projects as follows: 2 junior high schools $500,000 and $300,000 respectively, completion of 3 junior high schools $300,000, $200,000 and $100,000 respectively, 28 additions and completions, ranging from $7,000 to $136,000, all rein.-con., brick, tile and stone. G. L. Garton, secy. Bd. Educ. Noted Mar. 22.

Ia., Ft. Dodge—Hospital—Lutheran Congregation plans hospital. $200,000. Architect not selected.

Ia., Ft. Dodge — Hospital — St. Joseph Mercy Hospital plans hospital. $150,000. Engineer and architect not selected.

Minn., St. Paul—Store—Bannons, Inc., 7th and Minnesota Sts., plans 10 story and basement, 7th and Minnesota Sts., rein.-con., brick, tile and stone. $700,000. J. H. Todd, genl. mgr. Engineer and architect not selected.

Kan., Wichita—Apartment—T. C. Naylor, 4th Natl. Bank Bldg., making plans 3 story, 90 x 116 ft., rein.-con., brick and stone, plain foundation. $150,000. Private plans.

S. D., Deadwood—School—Bd. Educ. having plans prepared by Perkins & McWayne, Paulton Blk., Sioux Falls, and takes bids in about 2 months, 3 story, rein.-con. and brick. $250,000.

S. D., Vermilion—Administration—State University having plans prepared by Perkins & McWayne, archts., Paulton Blk., Sioux Falls, and J. Berg, state engr., Pierre, 3 or 4 story and basement, rein.-con., brick, stone and tile. $225,000.

N. D., Bismarck—Cathedral—Holy Ghost Cathedral, V. Wehrle, bishop, having plans completed by A. Dohmen, 68 Wisconsin St., Milwaukee, Wis., 1st story and basement, 94 x 190 ft. concrete and stone. $300,000.

Mo., Columbia—Hospital—Missouri University had preliminary sketches made by Jamieson & Spearl, Arcade Bldg., St. Louis, 3 and 4 story, 100 x 200 ft., rein.-con., brick and stone, plain foundation, on campus. $500,000.

Mo., Nevada—High School—Bd. Educ. having plans prepared by C. A. Smith, 601 Finance Bldg., Kansas City, 3 story and basement, 68 x 126 ft., brick, stone and terra cotta, here. To exceed $150,000. Noted Jan. 4.

Mo., St. Joseph—High Schools—Election within 60-90 days to vote on $3,000,000 bonds to purchase sites and build 2 Junior High Schools, modern construction.

Mo., St. Louis—Club—St. Louis Club, 3663 Lindell Blvd., plans probably 8 story, rein.-con., brick and steel, plain foundation, Kingshighway. $1,000,000. Engineer and architect not selected.

Mo., St. Louis — Clubhouse — Y.M.H.A., 3645 Delmar Blvd., plans probably 4 story, rein.-con. and brick, plain foundation, with athletic field adjoining. $500,000. Engineer and architect not selected.

Mo., St. Louis—Temple—United Hebrew Temple, 5000 Enright Ave., had preliminary sketches made by W. Levy, Dolph Bldg., 2 story, brick and stone, plain foundation, Delmar Blvd. $300,000.

Tex., Dallas—Church—Tyler St. Methodist Church, takes bids in summer 2 story and basement, 90 x 90 ft., brick, plain foundation. $200,000. J. W. Westbrook, 901 North Madison St., engr. and archt.

Tex., Tyler—Schools—Takes bids in summer high and grade school. $250,000 bonds voted. S. H. Bothwell, city engr. Architect not announced. Noted Mar. 1.

Okla., Tulsa — Hotel — Hotel Tulsa, 3rd and Cincinnati Sts., plans 10 story addition, incl. high pressure boiler plant, refrigerating and ice plant. B. Meyer, Box 477, engr.

Utah, Ogden—Office—Union Pacific R.R., 15th and Dodge Sts., Omaha, Neb., and Southern Pacific R.R., 65 Market St., San Francisco, Calif., having plans prepared by J. and D. B. Parkinson, archts., Title Insurance Bldg., Los Angeles, Calif., 3 story, Wall St. $150,000.

Utah, Ogden — Station — Union Pacific R.R., 15th and Dodge Sts., Omaha, and Southern Pacific R.R., 65 Market St., San Francisco, having plans prepared by J. and D. B. Parkinson, Title Insurance Bldg., Los Angeles, Calif., rebuilding station, Wall St., recently destroyed by fire. $150,000.

Wash., Seattle—Fine Arts—Metropolitan Building Co., 1301 4th St., making preliminary plans 6 story, brick and terra cotta, 5th and Union Sts. $750,000.

Wash., Seattle—Schools—May 8 to vote on $1,455,000 bond issue for new schools. Address School Bd., Central Bldg.

Wash., Mt. Vernon—Court House—Skagit Co. having plans prepared by T. F. Doan, Sunset Bldg., Bellingham, and takes bids about June 22, 5 story, 150 x 120 ft., rein.-con., plain foundation. $250,000.

Wash., Spokane—Office—Western Union Life Insurance Co., Madison St. and Riverside Ave., having plans prepared by G. H. Pehrson, 816 Riverside Ave., 3 story, 75 x 125 ft., rein.-con. and stone, plain foundation, Riverside Ave. $200,000.

Calif., Easton—High School—Washington Union High School Dist. to vote on $155,000 bonds for high school. Engineer and architect not selected.

Calif., Long Beach—Apartment—E. del Porte, et al., c/o Davies & Baume, archts., Marine Bank Bldg., had plans prepared 12-16 story, fireproof. To exceed $750,000.

Calif., Long Beach—Store and Office—W. Horne Co., 254 East Bway., representing syndicate which had plans prepared by Beelman & Curlett, Union Bank Bldg., Los Angeles, 13 story, rein.-con., 3rd and American Sts. To exceed $500,000.

Calif., Los Angeles—City Hall—Plans election to vote on $7,500,000 bonds, $2,500,000 of which will be used to purchase site, remainder for building.

Calif., Los Angeles—Hotel and Store—W. Whitecotton, c/o Russell & Alpaugh, archts., Story Bldg., plans 14 story and basement, 145 x 150 ft., rein.-con., brick and terra cotta, 9th and Hill Sts. $1,000,000.

Calif., Los Angeles—Office—Local syndicate having plans prepared by Pastle Co., Van Nuys Bldg., 13 story, 99 x 124 ft., 9th and Hill Sts. $2,000,000.

Calif., Los Angeles—Office—Sun Drug Co., having plans prepared by Curlett & Beelman, 408 Union Bank Bldg., 12 story, 61 x 150 ft., rein.-con., brick and terra cotta, 742 South Hill St. $750,000.

Calif., Los Angeles—Office and Bank—Bank of Italy, Powell and Eddy Sts., San Francisco, plans bank and office buildings at various points in southern California, 1-12 story. $5,000,000-$10,000,000.

Calif., Los Angeles—Office and Loft—Los Angeles Rubber Stamp Co., 131 South Spring St., having plans prepared by Walker & Eisen, Pacific Finance Bldg., 5 story and basement, (ultimately 8 story) 50 x 150 ft., rein.-con., Los Angeles and 15th Sts.

Calif., Los Angeles—Office and Store—C. Williams, c/o Curlett & Beelman, archts., Union Bank Bldg., having plans prepared 12 story and basement, brick and steel, 5th St. and Bway.

Calif., Los Angeles — Theatre — J. M. Bowen, Van Nuys Bldg., et al., had plans prepared by G. A. Landsburgh, Los Angeles (street address not available), 3 story, rein.-con. and tile, Highland Ave. $750,000.

Calif., Pomona—Store and Office—Southern Gas Co. having plans prepared store and office, West 2nd St. $175,000. Private plans.

Calif., San Diego—Club—Army & Navy Y.M.C.A., 341 West E St., had plans prepared by Rogers & Stevenson, Spreckles Bldg., 6 story and basement, concrete and steel. To exceed $500,000.

Calif., San Francisco—Apartment—H. M. Seigler, 110 Sutter St., having sketches made by S. Heiman, 57 Post St., 3-7 story and basement, concrete and steel, vicinity of Sutter and Leavenworth Sts. $750,000.

Calif., Stockton—Auditorium—City rejected bids opened Mar. 20, rein.-con., cement and pre-cast sandstone, memorial auditorium, steel dome, Center, Oak, Fremont and Commercial Sts. $600,000. Stone, Allen & Wright, 41 South Sutter St., archts. Noted Mar. 29.

Buildings (Continued)

Calif., San Francisco—Exchange—Pacific Telephone & Telegraph Co., 333 Grant Ave., plans telephone exchange, fireproof, Bush and Larkin Sts., $300,000.

Calif., San Francisco—Office—W. H. Sullivan, Alexander Bldg., having plans prepared by L. J. Delvin, Pacific Bldg., 6 story annex, fireproof, Montgomery and Sumner Sts. To exceed $150,000.

Calif., San Francisco — Store — Marian Realty Co., French Bank Bldg., plans 10 or 12 story, fireproof, Market and 8th Sts. To exceed $500,000. Engineer and architect not selected. May Co., 6343 Halsted St., Chicago, lessee.

Calif., Stockton — College — L. S. Stone and F. E. Warner, archts., 309 Exch. Bldg., take bids in about 2 weeks, 2 story, 60 x 160 ft., administration building, brick, concrete and terra cotta, for College of the Pacific, $100,000. Plans are being prepared by F. Mayo, 21 South San Joaquin St., 2 story, conservatory of music, $150,000; by Losekann & Clowdsley, Elks Bldg., for Weber Memorial, 2 story, $105,000. Five other buildings are planned in connection with above. Davis-Heller-Pearce, Delta Bldg., mgrs. of construction and supervising archts. Noted Jan. 4.

Que., Beauharnois—School—School Comn. plans school. $150,000. L. Lemieux, University St., Montreal, archt.

Ont., Timmins—School—Separate School Bd. having plans prepared by A. H. Cederberg, Timmins, and soon takes bids 2 story and basement, 10 room, concrete, brick and steel, $175,000.

BIDS DESIRED

Mass., West Springfield (Springfield P. O.)—High School—Apr. 10, by A. L. Pease, chn. building com., 3 story, Lathrop St. $250,000. C. G. Loring, 7 Water St., Boston, archt.

N. Y., Brooklyn — Apartment — Carvel Holding Co., c/o Mengel & Larkin, archts. and engrs., 81 Fulton St., New York, will build brick, steel and stone, plain foundation, on plot 160 x 250 ft., New York Ave. and Bergen St., here. Work will be done by separate contracts under supervision of architects.

N. Y., Brooklyn—School—Apr. 19, by Bd. Educ., 500 Park Ave., New York, P. S. 100, 5 story, 178 x 195 ft., brick, steel and stone, plain foundation, West 3rd St. near Sheepshead Bay Blvd., here. $850,000. W. H. Gompert, Flatbush Ave. extension and Concord St., archt. and engr. Noted Mar. 22.

Pa., Meadville—Hotel—Chamber of Commerce plans fireproof hotel. To exceed $250,000. Engineer and architect not announced.

N. Y., New York—Apartments—Paterno Constr. Co., 117 West 54th St. will build four 6 story, brick, steel and stone, plain foundations, Pinehurst Ave. $350,000 each. Work will be done by separate contracts. G. F. Pelham, 200 West 72nd St., archt.

N. Y., New York—Hospital—Wiseman & Taussig, archts. and engrs., 25 West 43rd St., taking bids and opens same about Apr. 9, 9 story, 100 x 175 ft., brick, steel and stone, plain foundation, 5th Ave. and 103rd St., for Physicians' Medical Hotel Corp., c/o architects. $800,000. Noted Nov. 30.

N. Y., New York—Office—Harvy, Abrons & Meluis, 15 East 40th St., will build 18 story, brick, steel and stone, plain foundation, Madison Ave. Work will be done by separate contracts. Rouse & Goldstone, 512 5th Ave., archts. and engrs.

N. Y., New York—School—Apr. 19, by Bd. Educ., 500 Park Ave., P. S. 66, brick, steel and stone, plain foundation, Jennings St. and Longfellow Ave. $750,000. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr.

N. Y., New York—Schools—Apr. 19, by Bd. Educ., 500 Park Ave., P. S. 67, East 179th St. between Mohegan and Honeywell Aves., $850,000, also P. S. 70, 105 x 175 ft., Weeks Ave., $1,400,000, both brick, steel and stone, plain foundations. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr. Noted Feb. 9 and Mar. 29.

N. Y., Spring Valley—Grade and High School—Apr. 10, by Bd. Educ., brick, steel and stone, plain foundation. $250,000. E. Sibley, Palisade, N. J., archt. L. C. Licht, Hacker & Hacker, Bluff Rd., Palisade, N. J., associated archts. Noted Sept. 14.

N. J., Atlantic City—Theatre and Store—Hoffman-Hennon Co., archts., Finance Bldg., Phila., taking bids 1 story, 170 x 199 ft., rein.-con., brick and steel, caisson foundation, Kentucky Ave. and Boardwalk here, for Stanley Co., 1218 Market St., Phila. $300,000.

Pa., Phila. — Office and Store — L. B. Rothchild, archt., 215 South Broad St., taking bids 2 story and basement, 36 x 173 ft. rein.-con., brick and steel, plain foundation, 21st and Walnut Sts., for Freed & Fishman, 605 South 10th St. $150,000.

Pa., Phila. — School — F. F. Durang, archt., 1220 Locust St., taking bids 3 story and basement, 77 x 153 ft. rein.-con., brick, steel and stone, Susquehanna and Park Aves., for Lady of Mercy Roman Catholic Church, Broad and Susquehanna Aves. $200,000.

Pa., Shamokin—Bank—Apr. 10, by W. H. Lee, archt., 32 South 17th St., Phila., 1 story and basement, 50 x 95 ft. rein.-con., brick and steel, plain foundation, for Guarantee Trust & Deposit Co. $175,000. Noted Feb. 1.

Pa., Southmont—School—Apr. 9, by Bd. Educ., 2 story and basement, 142 x 156 ft. brick and tile. $200,000. P Campbell, Park Bldg., Johnstown, archt.

D. C., Wash.—Office—See "Industrial Works."

W. Va., Williamson—Hotel—Apr. 17, by R. M. Bates, Jr., archt., Mortimor Pl., Huntington, 6 story and basement, 93 x 110 ft., for C. F. Vaughn, Vaughn Hotel. $200,000. Noted Feb. 1.

N. C., Charlotte—Office—Textile Office Bldg., c/o W. L. Stoddart, archt. and engr., 9 East 40th St., New York City, 15 story, brick, stone and steel. Work will be done by separate contracts. Noted Mar. 22.

S. C., Chester—High School—Apr. 11, at office M. E. Brockman, supt., for high school. T. H. White, chn.

Tenn., McKenzie—College—Apr. 10, by Cumberland Presbyterian Church, 2 story and basement, 85 x 120 ft., (1st unit), brick and concrete, Cherry St. along tracks Louisville & Nashville R.R. $150,000. A. F. Lindsay, Sikeston, Mo., archt.

O., Akron—Office and Theatre—Rapp & Rapp, archts., 190 North State St., Chicago, taking bids 3 story, for Akron Enterprises Co. $700,000. Noted Nov. 16.

O., Akron—School—Apr. 17, by I. M. Moses, clk. Bd. Educ., for Crosby School, 2 story, 64 x 200 ft., brick, Smith and West Sts. $200,000. M. M. Konarski, 102 South Union St., archt. Noted Feb. 15.

O., Cleveland — Apartment — A. Kraus, 2265 East 71st St., taking bids and opens same about Apr. 10, 3 story, 46 x 163 ft., brick and timber, 1913 East 70th St. $200,000. M. Altschuld, 5116 Woodland Ave., archt.

O., Cleveland—Store and Hotel—A. Horwitz, Ulmer Bldg., taking bids 2 story and basement, brick and steel, plain foundation, St. Clair Ave. and Coit Rd. $150,000. A. F. Janowitz, Permanent Bldg., archt.

O., East Cleveland (Cleveland P. O.)—Apartments — S. Newman, 10710 Drexel Ave., Cleveland, taking bids two 2 story and basement, 49 x 113 ft., brick and timber, 1745 Page Ave., here. $150,000. A. Janowitz, Permanent Bldg., Cleveland, archt.

Mich., Ann Arbor—Law—Apr. 16, by York & Sawyer, archts., 50 East 41st St., New York City, brick, steel and stone, plain foundation, South Michigan Ave., for University of Michigan. $2,000,000.

Mich., Marquette — Hotel — Apr. 16, by Schenck & Williams, archts., 908 Mutual Home, Dayton, O., 7 story and basement, 56 x 125 ft. concrete and brick, for Kawbawgan Hotel Co., Marquette. Foundation in, $300,000.

Ill., Chicago—Hotel—Harris & Jillson, archts., 190 North State St., receiving bids second unit 14 story, Winthrop and Argyle Aves., for G. K. Spoor, c/o architects. Total cost $5,000,000.

Wis., Green Bay—High School—Apr. 24, by Bd. Educ., 3 story and basement, 120 x 380 ft., brick, tile and concrete, plain foundation. $500,000. Foeller, Schober & Stephenson, Nicollet Bldg., archts. Noted Jan. 11.

Wis., Kenosha — School — Apr. 14, by Lindl-Lesser & Schutte, archts., 82 Wisconsin St., Milwaukee, 2 story and basement, 70 x 188 ft. and 60 x 60 ft., brick, tile and concrete, plain foundation, Sheridan Rd., for St. James Congregation, 305 Sheridan Rd. $150,000. Noted Mar, 15.

Wis., Manitowoc—Hotel—Apr. 9, by C. Barkhausen, archt., 79 Wisconsin St., Milwaukee, 5 story, 50 x 75 ft., brick and concrete addition, plain foundation for Hotel Williams, South 8th St. $150,000.

Wis., Mayville—High School—Apr. 18, by School Bd., 2 story, 70 x 158 ft., and 1 story, 60 x 126 ft., brick, tile and concrete, plain foundation. $200,000. Parkinson & Dockendorff, Linker Bldg., La Crosse, archts. Noted Nov. 25.

Wis., Milwaukee—Apartment-Hotel—Apr. 6, by R. Razall, archt., 330 Caswell Blk., 4 story and basement, 100 x 116 ft. and 116 x 160 ft., brick, tile and concrete, plain foundation, Eastside, for G. Adams Bldg. Co., 330 Caswell Blk. $275,000.

Wis., Milwaukee—Apartment—Apr. 12, by Rosman & Wierdsma, archts., 424 Jefferson St., 3 story and basement, 120 x 146 ft., brick, tile and concrete, plain foundation, Grand Ave. and 32nd St., for Franklin Arms Apartment Co., c/o architects. $200,000. Noted Dec. 21.

Wis., Milwaukee—Store and Office—M. Tullgren & Sons Co., archts., 425 East Water St., taking bids and opens same about Apr. 9, 3 story and basement, 100 x 100 ft., brick, tile and concrete, plain foundation, 3rd St., for Dorsen Realty Co., c/o architects. $150,000.

Wis., Milwaukee — Temple — Apr. 12, (change of date) by Milwaukee Elks Lodge, 448 Jefferson St., and R. Messmer & Bros., archts., 211 Grand Ave., 9 story and basement, 110 x 145 ft., brick and concrete, Mason and Marshall Sts. $1,000,000. Noted Mar. 15.

Wis., Racine—Auditorium—Apr. 21, by Racine Memorial Assn., W. Horlick, Jr., Horlicksville, chn. building com., 1 and 2 story, 180 x 200 ft., brick and concrete, plain foundation. $300,000. H. Shaw, 39 South State St., Chicago, archt.

Wis., Racine—Lodge and Store—Columbus Bldg. Assn., 1600 Racine St., taking bids 3 and 4 story, 60 x 114 ft., brick and concrete, plain foundation. $150,000. A. J. Weber, pres., Racine Constr. Co., 468 College Ave., archts.

Ia., Sioux City—Fire and Police Station—Apr. 18, by F. A. Garnsey, clk., general construction 3 story and basement, 133 x 140 ft., rein.-con., brick, tile and stone, 6th and Water Sts. $250,000. L. N. Hintgen, city engr. E. R. Swanson, 627 Warnock Bldg., archt. Contract for cypress piling foundation let to B. E. Short, 418 Court St. Noted Dec. 14.

Kan., Topeka—Hotel—Topeka Hotel Co. taking bids on general contract for 10 story and basement, 100 x 150 ft., rein.-con., brick, steel and stone, 7th and Jackson Sts. $600,000. T. W. Williamson & Co., 312 Central Natl. Bank Bldg., archts.

Kan., Wichita—Aparment—Apr. 10, by Eberson & Weaver, archts., Orpheum Bldg., 9 story, 100 x 140 ft., rein.-con. and brick, plain foundation, 2nd and Topeka Sts., for O. S. Shirk, 240 North Topeka St. $500,000. Noted Jan. 11.

S. D., Milbank — School Community — Apr. 9, by A. A. Blomquist, city aud., 2 story and basement, rein.-con., brick, stone and tile. $150,000. Hugill & Blatherwick, Sioux Falls, (street address not available) archts. Noted Mar. 15.

Mo., St. Louis—Store and Apartment—Apr. 12, by T. P. Barnett, archt., Arcade Bldg., 2 story, 125 x 200 ft., brick, plain foundation, Dale Ave., for T. P. Carr, Arcade Bldg. $150,000. Noted Jan. 18.

Mo., St. Louis—Store—Apr. 9, by Kleipstein & Rathmann, archts., Chemical Bldg., converting 8 story wholesale building into retail store, 1109-19 Washington Ave., for Lammert Furniture Co., 920 Washington Ave. $160,000.

Tex., Austin—Hotel—Apr. 14, by Sanguinett, Staats & Hedrick, archts., 1st National Bank Bldg., Ft. Worth, 12 story, 60 x 110 ft., rein.-con., brick and stone, for T. B. Baker Hotel Co. $500,000. Noted Mar. 1.

Tex., Houston—Hospital—City Com. taking bids City-County Hospital, 4 story with 3 story wings, 50 x 175 ft., rein.-con., brick and stone, near Grand Central Sta. $200,000. W. A. Dowdy, city archt. Noted Mar. 15.

Calif., El Centro—Court House—Imperial Co. taking bids court house. $300,000.

Calif., Los Angeles—High School—Apr. 11, by Bd. Educ., group brick buildings, Wilshire Blvd. To exceed $300,000. E. H. Cline, 1445 South San Pedro St., archt. Noted Mar. 29.

Calif., Los Angeles — Loft — Curlett & Beelman, archts., Union Bank Bldg., receiving bids 11 story and basement loft and 1 story shipping and storage building, rein.-con., Los Angeles and 9th Sts., for Cooper Dry Goods Co. To exceed $150,000.

Calif., San Francisco—Hospital—M. I. Schwartz, archt., Nevada Bank Bldg., receiving bids 9 story and basement, 56 x

Buildings (Continued)

137 ft., rein.-con., steel, granite and terra cotta, Sutter St. near Larkin St., for A. Abrams, 2151 Sacramento St. $500,000. Noted Mar. 15.

Calif., Stockton—City Hall—Taking bids city hall, fireproof, block bounded by El Dorado, Centro, Fremont and Lindsey Sts. $600,000. J. Pearce, J. Losekann and P. Sala, Delta Bldg., archts.

BIDS RECEIVED

New York, N. Y.—School—W. H. Gompert, archt., Flatbush Ave. Extension and Concord St., Brooklyn, Mar. 27, general contract P. S. 11, West 21st St. and 8th Ave., from G. Dekempe, $808,800; T. Dwyer, Bway. and 216th St., $837,000; Willets Constr. Co., $837,000; T. A. Clarke Co., 122 Livingston St., Brooklyn, $863,000. Noted Mar. 15.

Pa., Charleroi—High School—Bd. Educ., 2 story and basement, 115 x 177 ft. high school, from Charleroi Lumber Co., Charleroi, $119,600, H. A. Taylor, Keystone Bldg., Pittsburgh, $119,600, Fayette Constr. Co., Fayette City, $132,600; heating from Barnes & Clark, New Castle, $28,850, Regan & Hornell, Charleroi, $31,912. Noted Mar. 8.

O., Arcanum—School—Bd. Educ. Mar. 20, 2 story and basement, 65 x 220 ft., brick and concrete, from Dyer Constr. Co., Greenfield, $164,539; H. R. Blagg, 1229 East 3rd St., Dayton, $174,448; Anderson & Hunicutt, Fort Wayne, Ind. (street address not available), $175,819. Noted Mar. 1.

CONTRACTS AWARDED

Mass., New Bedford—Schools—St. Anthony's Roman Catholic Church, c/o W. F. Fontaine, archt., 285 Main St., Woonsocket, R. I., 3 story and basement, 130 x 150 ft., brick and steel, plain foundation, Ashley Blvd., to L. Bolduc & Son, 579 Middle St., Fall River. Archts. est. $350,000.

Conn., Bristol — Bank — Bristol Savings Bank, 244 Main St., 1 story and basement, 50 x 70 ft., brick, granite and stone, plain foundation, 174 Main St., general contract to Griswold Building Co., 101 Park Ave., New York City. Archts. est. $160,000. Noted Dec. 14.

Conn., Hartford — Church — Swedish Evangelical Lutheran Society, Capitol Ave., general contract 52 x 104 ft., brick and artificial stone, granite foundation, Capitol Ave., to Johnson-Webster Co., 50 South Main St. Archts. est. $150,000. Noted Mar. 15.

N. Y., Little Falls—Theater—Gateway Theater Syndicate, brick, concrete and steel theater, to J. P. Hallinan, 62 Salisbury St., Little Falls, $150,000.

N. Y., New York — Apartments—D. Asher, c/o J. M. Felson, archt. and engr., 1133 Bway., will build two 5 story, brick, steel and stone, plain foundation, Findlay Ave. and 170th St., by day labor. $175,000 each.

N. Y., New York—Apartment—Benenson Realty Co., c/o T. F. Price, archt. and engr., 30 Church St., will build 5 story, 90 x 90 ft., brick, steel and stone, plain foundation, Townsend Ave. and 176th St., by day labor. $150,000.

N. Y., New York—Apartment—Bway and 73rd St. Corp., c/o Springsteen & Goldhammer, archts. and engrs., 31 Union Sq., will build 6 story, 100 x 125 ft., brick, steel and stone, plain foundation, 63 West 173rd St., by day labor. $350,000.

N. Y., New York—Apartment—Crussi Constr. Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build brick, steel and stone, plain foundation, Fordham Rd., by day labor. $150,000.

N. Y., New York—Apartment—L. Klosk, c/o Springsteen & Goldhammer, archts. and engrs., 31 Union Sq., will build 5 story, 85 x 100 ft., brick, steel and stone, plain foundation, Mosholu Parkway near Bainbridge Ave., by day labor. $175,000.

N. Y., New York—Apartment—B. Jacobson, c/o G. G. Miller, archt. and engr., 1482 Bway., will build 5 story, brick, steel and stone, plain foundation, Jessup Ave., by day labor. $175,000.

N. Y., New York — Apartment — L. A. Building Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 80 x 125 ft., brick, steel and stone, plain foundation, East 182nd St., by day labor. $250,000.

N. Y., New York—Apartment—D. J. Ludens, c/o Goldner & Goldner, archts. and engrs., 47 West 42nd St., will build 6 story, 100 x 150 ft., brick, steel and stone, plain foundation, Ryer Ave., by day labor. $350,000.

N. Y., New York—Apartment—Mareliz Building Co., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 9 story, 50 x 100 ft., brick, steel and stone, plain foundation, 142 West 49th St., by day labor. $175,000.

N. Y., New York—Apartment—Margon & Glaser, archts. and engrs., 2804 3rd Ave., will build 5 story, 80 x 87 ft., brick, steel and stone, plain foundation, Loring Pl. near Burnside Ave., by day labor. $275,000. Owners name withheld.

N. Y., New York—Apartments—L. Minseoff, c/o C. Schaefer, Jr., archt. and engr., 394 East 150th St., will build two 5 story, 100 x 100 ft., brick, steel and stone, plain foundations, 168th St. and Findlay Ave., by day labor. $225,000 each.

N. Y., New York—Apartment—Slawson Building Corp., 350 Madison Ave., 14 story, 52 x 100 ft., brick, steel and stone, plain foundation, East 86th St., to W. L. Crow Constr. Co., Inc., 103 Park Ave.

N. Y., New York—Apartment—A. Stockinger, c/o Goldner & Goldner, archts. and engrs., 47 West 42nd St., will build 5 story, 90 x 90 ft., brick, steel and stone, plain foundation, Grand Concourse near 180th St., by day labor. $350,000.

N. Y., Far Rockaway — Apartment — Crossways Apartment Corp., c/o M. Hyde, archt. and engr., 114 East 28th St., New York, 4 story, 127 x 186 x 277 ft., brick, steel and stone, Bway. and Mott Ave., here, to Fredburn Constr. Co., 31 Union Sq., New York. Archts. est. $600,000. Noted Mar. 29.

Pa., Parnassus—High School—Bd. Educ., 2 story and basement, 96 x 100 ft., brick and tile, to Croyle & Beck, New Kensington. Archts. est. $150,000.

Pa., Phila.—Apartment—L. H. Cahan & Co., 1324 Walnut St., 4 story and basement, 108 x 120 ft. brick, steel and stone, plain foundation, Tabor and York Sts., to Penn Realty Co., 1324 Walnut St., Archts. est. $500,000. Noted Mar. 15.

Pa., Phila.—Apartment—I. W. Levine, archt., 1011 Chestnut St., 4 story and basement, 89 x 120 ft. brick and steel, plain foundation, 50th and Spruce Sts., to Arrow Constr. Co., 1627 Sansom St., $160,000. Owners name withheld.

Pa., Phila. — Apartment — C. Wunder, archt., 1415 Walnut St., 4 story and basement, brick and steel, plain foundation, 48th and Pine Sts., to Rose Constr. Co., North Amer. Bldg., $210,000. Owner's name withheld.

Pa., Phila.—Church and Rectory—G. I. Lovatt, archt., 416 Walnut St., 1 story and basement, 60 x 192 ft. and 3 story and basement, 42 x 95 ft. brick and steel, plain foundation, 21st and Snyder Aves., to McLaughlin & McNally, 813 Suffolk St., for St. Edmunds Roman Catholic Church, 21st and Snyder Aves. Archts. est. $500,000. Noted Jan. 18.

Pa., Phila.—Lodge—K. of P., c/o B. G. Collier, 415 South 19th St., 4 story and basement, 50 x 150 ft. brick and steel, plain foundation, 19th and Addison Sts., to J. F. Trent, 2041 Master St. $200,000. Lachman & Murphy, Drexel Bldg., archts.

Pa., Pittsburgh—School—Bd. Educ., Fulton Bldg., 2 story and basement, 40 x 166 ft. addition to Halls Grove School, Hall and Wardwell Sts., to Cuthbert Bros., Bessemer Bldg., $127,300, heating to J. A. Langdon & Son, 2030 5th Ave. Noted Mar. 29.

Pa., Pottstown—High School—Bd. Educ., 3 story and basement, 76 x 218 ft. and 92 x 94 ft., Chestnut and Penn Sts., to W. L. Hampton, Pottstown, $259,622; heating and ventilating, to G. A. Tabor, Pottstown, $38,053. Noted Mar. 22.

Pa., Wilkes-Barre—Apartment—H. Mailander, 167 Barney St., will build 3 story, 98 x 185 ft. brick and tile, West Ross and West River Sts., by day labor. $150,000. Noted Mar. 22.

Md., Baltimore—Church, Convent and Parish House—St. Edward's Roman Catholic Church, Poplar Grove and Lafayette Ave., church, convent and parish house, to Frainie Bros. & Haigley, 19 West Franklin St., $150,000. Noted Feb. 8.

Md., Sykesville — Hospital — Springfield State Hospital, 3 story, 38 x 96 ft. administration, 1 story, 40 x 96 ft. dining room, two 2 story, 30 x 90 ft. dormitories, brick, plain foundations, here, to North-Eastern Constr. Co., Lexington Bldg., Baltimore, $190,000.

N. C., Chapel Hill—Inn—Carolina Inn Co., 3 story, 52 room, fireproof, to H. L. Smith, Durham, $200,000.

Fla., St. Petersburg—Office—C. M. Rosser, 6 story, rein.-con. and steel, 110 5th St. S., to Dillman & Wright, St. Petersburg. Archts. est. $175,000. Noted Feb. 22.

Ala., Huntsville—Hotel—W. M. and G. W. Yarbrough, 5 story, brick, Washington St., to Baxter Bros., Huntsville, $150,000.

O., Bellaire—Store—Blum Dept. Store, 3617 Belmont St., 4 story and basement, 66 x 120 ft., 23rd and Belmont Sts., to C. D. Keyser Co., 1st National Bank. Archts. est. $150,000.

O., Cincinnati—Office—Rentigs, Panzer & Martin, archts. and engrs., 609 Southern Ohio Bank Bldg., 10 story, 100 x 200 ft., rein.-con., plain foundation, Court and Main Sts., concrete work, to Hodges & Erwin, 78 Blymyer Bldg.; brick, terra cotta and tile work, to R. Fuerst, 302 Palace Theatre Bldg.; heating to Peck, Hannaford & Peck Co., Court and Sycamore Sts.; plumbing, to T. J. Dyer Co., 317 Vine St.; electrical work, to Devere Electric Co., 418 Main St.; for Temple Bar Realty Co. Archts. est. $500,000.

O., Cleveland—Store—G. H. Schonewald, Grand Central Terminal, New York City, 6 story and basement, 75 x 132 ft., brick, steel and concrete, to Crowell & Little Constr. Co., 3575 Prospect Ave.; structural steel, to McClintic Marshall Co., Hanna Bldg. Archts. est. $400,000.

O., Cleveland—Store and Office, etc.—L. A. Skeel, 7016 Euclid Ave., 1 story and basement, 102 x 165 ft. and 2 story and basement, 85 x 120 ft., store, office, garage and service station, brick, steel and concrete, plain foundation, 7111 Euclid Ave., to Bolton-Pratt Constr. Co., Columbia Bldg., Archts. est. $150,000.

O., Greenfield—Schools—Bd. Educ., to Murch Bros. Constr. Co., Ry. Exch. Bldg., St. Louis, Mo., 2 story and basement, 149 x 163 ft. high school, $221,477, McLain Vocational School, 2 story and basement, 60 x 300 ft., $204,000, both brick and concrete, here. Noted Feb. 15.

O., Lakewood (Cleveland P. O.)—Store and Office—Detroit and Warren Road Co., c/o G. E. Conkey, pres., Century Bldg., Cleveland, 5 story and basement, 60 x 140 ft., brick, steel and concrete, Detroit Ave. and Warren Rds., to Hunkin-Conkey Constr. Co., Century Bldg., Cleveland. Archts. est. $250,000.

O., New Philadelphia—Bank—Ohio Savings & Trust Co., 3 story, 31 x 116 ft., brick, steel and concrete, to Boldt Constr. Co., 5902 Euclid Ave., Cleveland. Archts. est. $150,000.

Wis., Milwaukee—Nurses' Home—Milwaukee Hospital, 2200 Cedar St., 3 story and basement, 60 x 92 ft., brick, tile and concrete, plain foundation, Cedar St., to Dahlman Constr. Co., 456 Bway. Archts. est. $150,000. Noted Jan. 25.

Ia., De Witt—School—Bd. Educ., general contract 2 story and basement, rein.-con., brick, tile and stone, to Haring Bros., Wilson Bldg., Clinton, $92,800. Noted Mar. 1.

Minn., Duluth—Hospital, etc.—St. Lukes Hospital Assn., 903 9th Ave. E., 6 story and basement, 65 x 175 ft., 32 x 145 ft. and 35 x 162 ft., rein.-con. and brick, 1st St. and 9th Ave. E., general contract to MacLeod & Smith, 508 Sellwood Bldg., $440,000. Archts. total est. $1,000,000. Noted Mar. 15.

Minn., St. Paul—Chapel—St. Catherines College, Randolph and Cleveland Aves., rein.-con., brick and tile, Randolph and Cleveland Aves., general contract to P. Steenberg Constr. Co., 535 Endicott Bldg. Total $250,000.

Minn., Virginia—City Hall, etc.—City, 2 and 3 story and basement, 140 x 265 ft., rein.-con., brick, steel and stone, general contract to Everson & Utterberg, Lumber Exchange Bldg., Minneapolis, $280,000. Archts. est. $375,000. Noted Mar. 1.

Kan., Wichita—Office—See "Industrial Works."

Mo., Kansas City—Hotel—C. O. Jones, 308 Commerce Bldg., will build 12 story and basement, 48 x 126 ft., brick, rein.-con. and terra cotta, 911 Holmes St., by day labor. $500,000. E. Brostrom, 621 Reliance Bldg., archt. Noted Aug. 17.

Mo., Kansas City—Office—Peoples Building Co., 433 Lathrop Bldg., general contract 12 story and basement, 132 x 143 ft., rein.-con., brick and terra cotta, 10th and Oak Sts., to Cherdron Constr. Co., 603 McIntyre Bldg., Salt Lake City, Utah. Archts. est. $2,225,000. Noted Oct. 26.

Mo., St. Louis—Hotel—Forest Park Investment Co., 111 North 7th St., 6 story, 236 x 236 ft., rein.-con. and brick, plain foundation, West Pine St., to F. J. Cornwell, 111 North 7th St. Archts est. $500,000.

Mo., St. Louis—Theatre—Davis Realty Investment Co., 810 Chestnut St., 1 and 2 story, 35 x 155 ft., concrete and brick, plain foundation, Leffingwell Ave., to T. Steinmeyer, Title Guaranty Bldg. Archts. est. $150,000.

Colo., Denver—Hospital—State, general contract 3 to 5 story, East 8th Ave. and

Buildings (Continued)

Colorado Blvd. to **A. Simpson, Jr., Colorado Natl. Bank Bldg., $983,730.** Noted Mar. 29.

Wash., Seattle — Apartment — M. D. Carses, Epler Blk., 4 story, 120 x 160 ft., pressed brick and terra cotta, Stewart and Yale Aves., to **A. F. Mowat,** Arcade Bldg. Archts. est. $185,000.

Wash., Seattle — Apartment — E. A. Roberts, archt., Burke Bldg., 6 story, and basement, brick and terra cotta, Summit and Denny Sts., to **William & Brady, Hoge Bldg., for J. R. Young.** Archts. est. $210,000.

Calif., Fresno—Bank and Office—Pacific Southwest Trust & Savings Bank, 15 story, fireproof, Marioposa and J Sts., to Trewhitt-Shields Co., Rowell Bldg. Engrs. and archts. est. $1,000,000.

Calif., Los Angeles — Office — Medical Building Corp., c/o Dodd & Richards, archts., Brack-Shops Bldg., 8 story and basement, rein.-con. and brick, Lucas and 6th Sts., to Scofield Eng. & Constr. Co., Pacific Finance Bldg., $250,00.

Calif., Los Angeles—School—City, constructing Laurel School, rein.-con., general contract to Pozzo Constr. Co., 421 Macey St., $111,110.

Calif., Sacramento—Hotel—W. C. Crittenden, 2827 I St., et al., 10 story, rein.-con., L and 12th Sts., to Cahill Bros., 110 Sutter St., San Francisco, $1,000,000.

Calif., San Francisco—Bank—San Francisco Savings & Loan Society, 526 California St., 2 story, steel and granite addition, California and Kearny Sts., to C. W. Heyer, Mills Bldg., $200,000.

Ont., Belleville—College—H. W. Ackerman, secy. Bldg. Comn. Bd. Educ., 2 and 3 story and basement, concrete, brick, steel and stone, general contract to Dickie Constr. Co., Ryrie Bldg., Toronto, $180,000; stone work to Peerless Artificial Stone Co., Coxwell Ave., Toronto, $44,000. Noted Mar. 1.

Que., Montreal—Store—H. Morgan & Co., St. Catherine St. W., 9 story and basement, 141 x 148 x 282 ft. rein.-con., brick and stone addition, to H. Morgan & Co., Beaver Hall Hill, $1,100,000. Noted Mar. 22.

Federal Government Work

PROPOSED WORK

Del., Wilmington—Scows—U. S. Engineer, Wilmington, plans to purchase 2 wooden dump scows.

Va., Norfolk—Dredging—U. S. Engineer, Norfolk, plans dredging in Norfolk Harbor.

W. Va., Huntington—Gate Tracks—U. S. Engineer, Huntington, plans gate tracks at Dam 13, Ohio River.

Ill., Chicago—Boat—U. S. Engineer, 537 South Dearborn St., plans to purchase boat.

Calif., San Diego — Storehouse — Spec. 4770—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids for storehouse at Naval Base, here. Noted Mar. 22.

BIDS DESIRED

N. Y., Chelsea—Hospital Buildings—Apr. 25, by Treas. Dept., Wash., D. C., additional hospital buildings, complete except mechanical equipment, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

N. Y., Chelsea—Mechanical Equipment—Apr. 25, by Treas. Dept., Wash., D. C., mechanical equipment for several hospital buildings, here. J. W. Wetmore, acting superv. archt.

Md., Baltimore—Dredging—Apr. 30 at office U. S. Engineer, Baltimore, dredging in Claiborne Harbor, Md.; adv. this issue.

Fla., Jacksonville—Barges—Apr. 30, at office U. S. Engineer, 3 steel barges for Dredge Mallery; adv. this issue. Noted March 22.

Ala., Florence—Boilers—Apr. 27, at office U. S. Engineer, Florence, installing steam boilers, etc., on U. S. Towboat General John Coffee.

Tenn., Memphis—Earthwork—Apr. 23, at office Mississippi River Comn., 1st and 2nd Dists., Custom house, earthwork in Upper and Lower St. Francis, Reelfoot and White River Levee Dists.; adv. this issue.

Tenn., Memphis—Steel Bars, etc.—Apr. 23, at office Mississippi River Comn., 1st and 2nd Dists, Customhouse, furnishing steel bars, wire fencing, machine bolts, etc.; adv. this issue.

Tenn., Nashville—Cement—Apr. 10 at office U. S. Engineer, Custom House, 4,000 bbl. cement for lock and dam construction.

Tenn., Nashville—Cement—Apr. 20 at office U. S. Engineer, Custom House, 18,000 bbl. cement for lock and dam construction.

Tenn., Nashville—Steel Gates—Apr. 25, at office of U. S. Engineer, steel gates for Lock 8, Cumberland River; adv. this issue.

Mich., Detroit—Superstructure—May 3, at office U. S. Engineer, Detroit, superstructure on west center pier, St. Marys Falls Canal; adv. this issue.

New Mexico—Road—Apr. 20, by E. S. Wheeler, dist. engr., U. S. Bureau Pub. Rds., Dept. Agriculture, 242 West Washington St., Phoenix, Ariz., grading and surfacing 11.448 mi. Canoncito-Pecos Forest Highway, Santa Fe National Forest, Santa Fe and San Miguel Counties, here, 35,138 cu.yd. crushed rock or gravel (waterbound), 87,000 cu.yd. common and 27,000 cu.yd. rock excav.

Utah, Vernal—Post Office—Apr. 30, by Treas. Dept., Wash., D. C., construction complete incl. mechanical equipment, U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Ore., Portland—Barges—Apr. 27, at office U. S. Engineer, 2nd Dist., three 4 x 18 x 48 ft. barges and one 4.5 x 22 x 70 ft. barge.

BIDS RECEIVED

Md., Annapolis—Mechanical Equipment—Spec. 4796—Bureau Yards & Docks, Navy Dept., Mar. 28, mechanical equipment for swimming pool, here, (1) work complete, from Roberts Filter Mfg. Co., 6th and Colorado Ave., Darby, Pa., (1) $20,800 (2) $20,100 (3) $18,350 (4) $16,550 (5) $600; M. B. Casey & Co., 3207 14th St., N. W., Wash., D. C., (1) $21,265 (2) $20,756 (5) $500; Boyle-Robertson Constr. Co., Evans Bldg., Wash., D. C., (1) $21,548 (2) $17,772 (3) $18,204 (4) $14,509 (5) $1,000. Noted Mar. 22.

O., Cincinnati—Gates—U. S. Engineer, lock gates for Dam 36, 38 and 44, Ohio River, from Milwaukee Bridge Co., 1400 34th St., Milwaukee, Wis., $68,345, $66,860 and $67,446 respectively; J. Eichleay Jr. Co., 45 South 20th St., Pittsburgh, Pa., $70,300, $68,900 and $69,900; Penn Bridge Co., Beaver Falls, Pa., $73,600 (Dam 36) $72,400 (Dam 38); Nashville Bridge Co., Shelby Ave., Nashville, Tenn., $56,900 (Dam 44). Noted Mar. 15.

Mich., Detroit—Dredging—U. S. Engineer, 337 Federal Bldg., dredging in Rouge River, 193,300 cu.yd. excav. with maximum allowable overdepth of 16,200 sq.yd., from Dunbar & Sullivan Dredging Co., 2212 Dime Bank Bldg., $0.427 per cu.yd.; Greiling Bros. Co., 100 Blk. E. Green Bay, Wis., $0.46; Empire Eng. Co., River Rd. and East Ave., North Tonawanda, N. Y., $0.465. Noted Mar. 8.

Mich., Detroit—Dredging—U. S. Engineer, 337 Federal Bldg., dredging below locks in St. Marys River, 134,000 cu.yd. excav., with maximum allowable overdepth 113,000 cu.yd. from Duluth-Superior Dredging Co., foot of 45th Ave. W., Duluth, Minn., $226,695; Dunbar & Sullivan Dredging Co., 2212 Dime Bank Bldg., $235,649; Great Lakes Dredge & Dock Co., 104 South Michigan Ave., Chicago, $238,125. Noted Feb. 22.

Calif., Livermore—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., construction all buildings complete incl. mechanical equipment, (except kitchen, laundry and hospital equipment) reservoirs, septic and settling tanks, road construction etc. U. S. Veterans Hospital, here, (1) work complete, from R. E. McKee, 1918 Texas St., El Paso, Tex. (1) $1,665,700 (2) $18,900 (3) $157,600 (4) $234,900 (5) $212,800 (6) $135,100 (7) $82,100 (8) $72,400 (9) $100,800 (10) $26,250 (11) $46,750 (12) $81,600 (13) $78,400 (14) $9,300 (15) $8,700 (16) $14,800 (17) $20,400 (18) $17,100 (19) $2,150 (20) $300 (21) $6,600 (22) $6,050 (a) $0.75 (b) $11 (c) $23 (d) $82 (e) $140 (f) $43 (g) $1.20 (h) $0.24 (i) $3.65 alternate $2.30 (j) $2.80 (begin 10 days, complete 365 days); Sound Constr. and Eng. Co., 402 Lowman Bldg., Seattle, Wash., (1) $1,691,630 (2) $22,273 (3) $157,018 (4) $234,728 (5) $210,697 (6) $155,774 (7) $74,992 (8) $67,268 (9) $104,694 (10) $28,837 (11) $49,576 (12) $80,373 (13) $93,712 (14) $10,136 (15) $9,792 (16) $14,876 (17) $21,876 (18) $20,969 (19) $9,679 (20) $2,545 (21) $7,377 (22) $5,725 (a) $1.50 (b) $15 (c) $28 (d) $71 (e) $130 (f) $50 (g) $1.25 (h) $0.25 (begin 10 days complete 350 days); Mahoney Bros., 866 Flood Bldg., San Francisco, (1) $1,698,400 (2) $20,709 (3) $159,361 (4) $237,578 (5) $220,433 (6) $142,023 (7) $73,896 (8) $67,867 (9) $98,110 (10) $27,797 (11) $50,207 (12) $82,205 (13) $92,987 (14) $10,419 (15) $9,680 (16) $15,704 (17) $22,591 (18) $18,940 (19) $9,981 (20) $1,360 (21) $10,978 (22) $6,223 (a) $1.50 (b) $14 (c) $25 (d) $75 (e) $130 (f) $45 (g) $2.30 (h) $0.25 (i) $3.50 alternate $2.25 (begin 15 days complete 390 days). Noted Mar. 1.

CONTRACTS AWARDED

Mass., Boston—Bollards—Spec. 4820—Bureau Yards & Docks, Navy Dept., Wash., D. C., wharf bollards and strengthening bollard foundations at Navy Dry Dock, here, to Holbrook, Cabot & Rollins Corp., 6 Beacon St., Boston, Mass., $31,500.

Calif., San Diego—Water Softening Plant—Spec. 4768—Bureau Yards & Docks, Navy Dept., Wash., D. C., water softening plant here, to Permutit Co., 440 4th Ave., New York City, $3,835 (150 days). Noted Mar. 15.

Miscellaneous

PROPOSED WORK

Car Barns—Waterbury, Conn.—Connecticut Co., 127 Church St., New Haven, having plans prepared 1 and 2 story car barns and office, brick, concrete and steel, West Main St., here. $400,000. Private plans.

Generating Unit—Cohoes, N. Y.—Cohoes Power & Light Corp., 45 North Mohawk St., plans 10,000 hp. generating unit in power house.

Golf Course—Gowanda, N. Y.—Cattaraugus Country Club, c/o C. A. Potter, Gowanda, plans modern golf course and grounds. $50,000-$75,000.

Power Development—Herring, N. Y.—Power Corp. of New York, Northern New York Trust Co. Bldg., Watertown, plans redeveloping hydro-electric power of St. Regis Paper Co., here, to double present 3,500 hp. installation. Address W. P. Creager, c/o owner, ch. engr.

Transmission Lines—Potsdam, N. Y.—St. Lawrence Transmission Co. plans extensions and improvements to lines, works and plants. $100,000.

Gas Mains—Tonawanda, N. Y.—Republic Light, Heat & Power Co., Ellicott Sq., Buffalo, plans 5,000 ft. gas mains in River Rd., and connections to about 150 or 200 homes, here. To exceed $25,000.

Harbor Facilities—Troy, N. Y.—Harbor & Dock Comn. has $1,250,000 available for harbor facilities. Plans municipal terminal, $350,000. M. L. Murray, 16 1st St., pres.

Pennsylvania—Petroleum Telephone Co., Oil City, plans new cable line between Oil City and Franklin, and long distance line from Oil City to Titusville, also new plant at Franklin. $150,000. W. S. Paca, Oil City, supt.

White Way Lighting System—Meadville, Pa.—Plans white way lighting system through main streets. $25,000.

Gas Holder—Wash., D. C.—Washington Gas Light Co., 413 10th St., N. W., having plans prepared for gas holder, 26th St. N. W. $400,000. J. S. McIlhenney, 413 10th St., N. W., engr.

Locomotives, etc.—North Carolina—See "Railways."

Terminals—Tampa, Fla.—Swann Terminal Co., 314 Madison St., having plans prepared deep water and railway terminals, turning basins and freight warehouses. $2,000,000. J. T. Swann, mgr.

Levee Protection—Illinois—Union D.D., Wayne Co., making plans levee protection work in Wayne and Edwards Counties. $200,000. Elliott & Harmon, 144 Fredonia Ave., Peoria, engrs.

Lighting and Distribution System — Maquoketa, Ia.—Plans street lighting and distribution system. $30,000 bonds voted. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs.

Power Line—Grand Forks, N. D.—Red River Power Co. plans 28 mi. line. $30,000.

Levee Work — St. Charles, Mo. — See "Excavation, Drainage, Irrigation."

Lumber Yard—Enid, Okla.—Long Bell Lumber Co. had plans prepared by R. W. Shaw, Masonic Temple, 2 story and basement, 150 x 280 ft., rein.-con. and steel, lumber yard.

Dikes—Kelso, Wash.—Comrs. Cowlitz Co. approved plans for enlarged consolidated diking district planned by Long-Bell Lumber Co., to protect Longview, West Kelso and Long-Bell Lumber Company's holdings from Columbia River. $2,250,000. Extensive drainage plans are included. W. Vandercook, Kelso, ch. engr. Long-Bell Lumber Co.

Pier—San Diego, Calif.—Voted $495,500 bonds for completion of municipal pier No. 2, incl. apron wharf, transit shed, paving, trackage and equipment. F. A. Rhodes, city engr. Noted Jan. 25.

Electrolier System—Fresno, Calif.—Soon takes bids 99 electroliers, c.i. and steel, single globe, concrete foundations, 2 ft. square and 2 ft. deep, etc. $25,000. W. Stranahan, city engr.

Miscellaneous (Continued)

Transmission Line — Ontario — Hydro Electric Power Comn., 190 University Ave., Toronto, plans 100 mi. transmission line on steel towers, from Niagara Falls to St. Thomas. $1,000,000. F. A. Gaby, ch. engr.

Power Development—Campbellford, Ont.—Hydro Electric Power Comn., 190 University Ave., plans to develop 10,000 hp. at Dam 8 on Trent River, near here, incl. power house, turbines, generators, transformers, etc. $1,066,408. F. A. Gaby, 190 University Ave., ch. engr.

Grain Elevator—Goderich, Ont.—Goderich Grain Elevator & Transit Co., having plans prepared rein.-con. grain elevator, 1,000,000 bu. capacity, on narbor. $250,000. J. H. Tromanhauser, 69 Adelaide St. E., Toronto, engr.

Grain Elevator—Owen Sound, Ont.—Owen Sound Elevator Co. having plans prepared for 1,000,000 bu. rein.-con. grain elevator. $750,000. McDonald Eng. Co., 53 West Jackson Blvd., Chicago, Ill., engrs. Noted Dec. 14.

Electric Light Extensions—Toronto, Ont.—Hydro Electric Comn., Yonge and Shuter Sts., plans to expend in excess of $2,000,000 for extensions and improvements to lighting and power systems, incl. concrete poles, transformers, wire, cables, etc. E. M. Ashworth, mgr.

Electric Light Extensions—Walkerville, Ont. — Walkerville Hydro Electric Comn. plans underground conduit in Wyandotte St. between Kildare and Walker Rds. $12,000, also extensions to other parts of system, $25,000. M. J. McHenry, mgr.

Telephone Lines—Alberta—Dept. Railways & Telephones, Edmonton, plans 1,500 mi. telephone extensions. $800,000. V. W. Smith, minister.

BIDS DESIRED

Tar—Maine—Apr. 11, by State Hy. Comn., Augusta, 1,000,000 gal. refined tar for cold surface treatment on gravel roads.

Bituminous Material—Albany, N. Y.—Apr. 13, (change of date), by F. S. Greene, comr. State Hy. Dept., furnishing and delivering bituminous material "A" and "T." W. A. Patton, secy.; adv. this issue. Noted Mar. 22.

Heating and Ventilating Apparatus, etc.—Brooklyn, N. Y.—Apr. 10, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., heating, ventilating and temperature regulation apparatus in P. S. 188, Neptune Ave. between West 33rd and West 35th Sts.

Power Development—New York—Apr. 10, by Power Corp. of New York, Northern New York Trust Co. Bldg., Watertown, for additional hydro-electric development at Northern New York Utilities plant at Effley Falls. Work includes enlargement of present power house to house 2,000 hp. generating unit, etc. Address W. P. Creager, c/o owner, ch. engr.

Power Development—New York—Apr. 10, by Power Corp. of New York, Northern New York Trust Co. Bldg., Watertown, for hydro-electric development of Flat Rock site, on Oswegatchie River, to produce 4,000 hp., 24 hours, incl. 800 ft. concrete dam, 65 ft. high, rein.-con. power house, etc. Address W. P. Creager, c/o owner, ch. engr.

Broken Stone—Trenton, N. J.—Apr. 10, by Mercer Co., 7,000 tons broken stone, different sizes. A. Bray, dir. road repairs. $10,000.

Clam Shells, Washed Gravel, etc.—Louisiana.—See "Streets and Roads."

Steam Main—Cleveland, O.—Apr. 13, 2,140 ft. steam main in Carnegie Ave. To exceed $25,000. L. A. Quayle, City Hall, engr.

Piling—Brokaw, Wis.—L. A. De Guere, engr., Wisconsin Rapids, taking bids 800 tons Lackawana steel piling, for Wausau Paper Co.

Road Oil—Green Bay, Wis.—Apr. 13, by W. L. Kerr, city clk., 30,000 gal. road oil containing 50-60% asphalt.

Dock—Milwaukee, Wis.—Apr. 13, by J. H. Fowles, secy. Sewerage Comn., 508 Market St., 1,388 ft. pile and concrete dock around west river end of disposal plant. T. C. Hatton, c/o owner, engr.

Steam Shovel—Chicago, Ill.—R. L. Gear, 29 South La Salle St., in market for steam shovel.

Steel, etc.—St. Paul, Minn.—Apr. 9, by H. W. Austin, city purch. agt., 70 pieces 26 x 72 in., and 1,200 pieces 26 x 108 in. corrugated steel, painted; 10 bundles No. 24 galvanized sheet metal, 26 x 96 in., for Water Dept. G. M. Shepard, city engr.

Grand Stand—Topeka, Kan.—Apr. 10, by T. W. Williamson & Co., archts., 312 Central Natl. Bank Bldg., 385 ft. long, 89 ft. deep, with mezzanine, 40 ft. wide, rein.-con. and steel, for Kansas Free Fair Assn., Fair Grounds. $200,000. Noted Jan. 11.

Road Oil—Clayton, Mo.—Apr. 18, by St. Louis Co., 200,000 gal. more or less road oil use on roads during year. $12,000. W. Elbring, co. engr.

Electrolier System—Visalia, Calif.—W. E. Drabnick, chn. of com., receiving bids electrolier system in downtown section. To exceed $25,000.

BIDS RECEIVED

Heating and Ventilating Apparatus — Brooklyn, N. Y.—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Mar. 23, heating, ventilating and temperature apparatus in New Utrecht High School, 79th and 80th Sts., from W. J. Olvaney, 100 Charles St., New York, $193,785; Austin Eng. Co., 124 West 42nd St., New York, $209,266; Gillis & Geoghegan, 537 West Bway., New York, $212,261. Noted Mar. 15.

Aggregate, etc.—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro. Queens Subway Bldg., Mar. 27, (1) 22,500 cu.yd. mineral aggregate (2) 11,500 cu.yd. highway sand (3) 1,000 cu.yd. sand grit (4) 550,000 gal. road oil cold application (5) 150,000 gal. road oil hot application (6) 100,000 gal. bituminous macadam (7) 40,000 wood paving blocks (8) 50,000 asphalt paving blocks (9) 900 tons asphaltic cement (10) 25,000 gal. fuel oil (11) 25,000 gal. asphalt cold patch (12) 10,000 gal. gasoline, from Rosoff Sand & Gravel Corp., 152 West 42nd St., New York, (1) $64,013 (3) $2,745; Peace Bros., Inc., 57 North Laurence St., Flushing, (1) $64,575 (2) $21,850 (3) $2,500; Tuohey & Upton, Inc., 98 Main St., Flushing, (1) $66,825; E. B. Simpson, Hempstead, Turnpike, Hollis, (2) $14,375 (3) $3,000; Texas Co., 17 Battery Pl., New York, (4) $27,445 (5) $10,050 (6) $7,220 (9) $25,839 (12) $2,350; Standard Oil Co. of New York, 26 Bway., New York, (4) $30,418 (5) $9,705 (6) $7,130 (9) $18,873 (10) $1,568 (11) $4,250 (12) $2,140; Warner Quinlan Co., 79 Wall St., New York, (4) $33,770 (5) $9,240 (6) $7,730 (9) $19,773; Amer. Creosoting Co., 17 Battery Pl., New York, (7) $5,068; Hastings Pavement Co., 25 Broad St., New York, (8) $4,700; Tidewater Oil Sales Corp., 11 Bway., New York, (12) $2,150. Noted Mar. 22.

Foundations—New York, N. Y.—E. S. O'Malley, comr. Pub. Markets, Municipal Bldg., Mar. 30, foundations for Bronx Terminal Market, from H. P. Converse Co., 440 East 142nd St., $580,000; Necaro Co., Inc., 97 Court St., Brooklyn, $583,800; P. J. Carlin Constr. Co., Grand Central Terminal, $587,000. Noted Mar. 22.

Retaining Wall—New York, N. Y.—Transit Comn., 49 Lafayette St., Mar. 29, excavation and retaining wall at Lenox Ave. Yard between 148th and 150th Sts., from Fox Reynolds Co., 81 East 125th St., $77,921; C. L. Dooley Co., 257 Adelphi St., Brooklyn, $79,883; M. Del Balso, 660 East 221st St., $81,550.

Coliseum—Syracuse, N. Y.—G. R. Lunn, pres. State Fair Comn., Albany, Mar. 29, general contract for coliseum, at New York State Fair Grounnds, here, from McCann Building Co., 68 State St., Albany, $409,700; H. W. Prahl, Erie, Pa., $419,500; A. E. Stephens Co., 145 State St., Springfield, Mass., $444,400. Noted Mar. 15.

Asphalt—Minneapolis, Minn.—For 1,200 tons asphalt for street work, from Du Ro Asphalt Co., 133 West Washington St., Chicago, $21.23 per ton; Minnesota Road Equipment Co., Plymouth Bldg., $21.40; Camden Petroleum Co., 208 South LaSalle St., Chicago, $21.43. Noted Mar. 22.

Road Oil—St. Louis, Mo.—G. Oetting, supply comr., Mar. 30, 700,000 gal. road oil, for Street Dept., from R. J. Browif Petroleum Co., Boatsmens Bank Bldg., $0.05 per gal. delivered; Standard Oil Co. of Louisiana, Whitney Central Bldg., New Orleans, La., $0.0584 delivered; Camden Petroleum Co., 208 South La Salle St., Chicago, $0.061 per Camden "B," $0.0605 per light oil. Noted Mar. 1.

Electrolier System—Los Angeles, Calif.—Lighting system in Santa Monica Blvd., etc., from Southern California Electric Co., 625 South Main St., $106,222; D. S. McEwan Electric Co., Santa Monica, $107,000; Newberry Electric Corp., 724 South Olive St., $111,216.

CONTRACTS AWARDED

Paving Sand, etc.—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, 7,000 cu.yd. paving sand and 5,000 cu.yd. 1½ in. gravel, to High Grade Builders' Supply Co., 6th St. and 2nd Ave., $7,980 and $12,700; 400 tons paving pitch, to P. J. Lewis Mfg. Co., 177th St. and Ferris Ave., New York, $10,160; 3,000 cu.yd. paving gravel, to Rosoff Sand & Gravel Co., 152 West 42nd St., New York, $7,350; 35,000 gal. asphalt road binder, to Standard Oil Co. of New York, 26 Bway., New York, $4,725. Noted Mar. 8.

Asphalt Binder—New York, N. Y.—Bd. Purch., Municipal Bldg., asphalt binder to Dept. Parks-Bronx, to C. D. Beckwith, 2875 Bway., $1,478. Noted Mar. 29.

Asphalt Wearing Sand—New York, N. Y.—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., 4,000 cu.yd. asphaltic wearing sand, to C. W. Crane, 17 Battery Pl., $4,720. Noted Mar. 29.

Foundation, etc.—Janesville, Wis.—D. Jeffris Theatre Co., 14 West Milwaukee St., plain foundation and excavation for 1 story and basement, 60 x 200 ft., brick and concrete theatre, to T. S. Willis & Co., 330 Hayes Blk. Archts. total est. $150,000.

Cypress piling — Sioux City, Ia.—See "Buildings."

Graders and Tractors—Crookston, Minn.—Polk Co., one 10 ton caterpillar tractor and 7 light graders, to Russell Grader Mfg. Co., 2005 University Ave., Minneapolis, $4,500 and $1,834 respectively. Noted Mar. 1.

Tractor—Hibbing, Minn.—One 5 ton tractor, to Mesaba Motor Co., Hibbing, $7,200. Noted Feb. 8.

Road Oil—Minneapolis, Minn.—For 1,000,000 gal. road oil for city streets, to Pure Oil Co., 1300 South 1st St., $0.063 per gal. Noted Mar. 22.

Wharves—Houston, Tex.—See "Industrial Works."

Levees—Yuba City, Calif.—Recl. Dist. 1660, State Recl. Bd., Forum Bldg., Sacramento, 13 mi. levees, varying 12-22 ft. in height, 2,600,000 cu.yd. clamshell work and 1,100,000 cu.yd. long boom dredger work, here, to Callahan Constr. Co., City Natl. Bank, Wichita Falls, Tex., $915,000.

Curbstone—Montreal, Que.—Furnishing 5,000 ft. circular granite curbstone, 49,000 ft. straight curb, and 1,000 ft. circular curbstone, 4-8 ft. radius, to Westmount Constr. Co., 344 Mountain St., $47,900.

Coal and Ash Handling Equipment—Toronto, Ont.—Toronto Transportation Comn., 70 Victoria St., coal and ash handling equipment in connection with new Hillcrest shops, to McNiven Bros., 70 Victoria St., $31,000.

OFFICIAL PROPOSALS

Bids: April 19.

Vernon-Glenwood Road

Newton, N. J.

Notice is hereby given that sealed bids will be received by the County of Sussex for the Construction of the Vernon-Glenwood Road in the Township of Vernon in the County of Sussex with a gravel surface estimated amount of excavation required is 9,921 cu.yds. and estimated amount of gravel pavement required is 36,808 square yards and opened and read in public at the Freeholders Office, Newton, New Jersey, on April 19, 1923 at 11:30 a.m.

"Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by Harvey Snook, County Engineer, and are on file in the office of said engineer at Newton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the engineer on proper notice and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to the Board of Chosen Freeholders, County of Sussex, Newton, N. J., and must be accompanied by a certified check for not less than 10 per cent of the amount bid and be delivered at the place and on the hour above named. The Standard Proposal Form is attached to the specifications, copies of which will be furnished on application to the engineer.

By order of the Board of Chosen Freeholders.

(Signed) WILLIAM S. VOUGHT,
Clerk.

Bids: April 26.

Water Tube Boilers

New Orleans, La.

Sealed proposals will be received by the Sewerage and Water Board of New Orleans up to 12 o'clock noon, Thursday, April 26th, 1923, for furnishing 1,500-1,800 hp. Water Tube Boilers.

Specifications and blank forms of proposals may be obtained at Room 303, No. 526 Carondelet Street, New Orleans.

The right is reserved to reject any or all bids.

GEO. G. EARL,
General Superintendent.

A. G. MOFFAT,
Secretary.